

# **VOLUME 3 - ROADWAY**

DRAWING No.	REV No.	DRAWING DESCRIPTION
		GENERAL
GE-A0003		PACKAGE 1A - ROADWAY- INDEX OF DRAWINGS - SHEET 1 OF 5
GE-A0004		PACKAGE 1A - ROADWAY- INDEX OF DRAWINGS - SHEET 2 OF 5
GE-A0005		PACKAGE 1A - ROADWAY- INDEX OF DRAWINGS - SHEET 3 OF 5
GE-A0006		PACKAGE 1A - ROADWAY- INDEX OF DRAWINGS - SHEET 4 OF 5
GE-A0007		PACKAGE 1A - ROADWAY- INDEX OF DRAWINGS - SHEET 5 OF 5
CV-B0002		PACKAGE 1A - ROADWAY- GENERAL STRUCTURAL NOTES
CV-B0003		PACKAGE 1A - ROADWAY - INDEX MAP
		ROADWAY
CV-T1001		PACKAGE 1A - ROADWAY - GRADE SEPARATION LAYOUT - W MCKINLEY AVE
CV-T1002		PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - W MCKINLEY
CV-T1003		PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - MCKINLEY AVE CONNECTOR/N WEBER AVE
CV-T1004		PACKAGE 1A - ROADWAY - GRADE SEPARATION LAYOUT - N GOLDEN STATE BLVD
CV-T1005		PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - N GOLDEN STATE BLVD
CV-T1006		PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - N GOLDEN STATE BLVD
CV-T1007		PACKAGE 1A - ROADWAY - GRADE SEPARATION LAYOUT - W OLIVE AVE
CV-T1008		PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - W OLIVE AVE
CV-T1009		PACKAGE 1A - ROADWAY - GRADE SEPARATION LAYOUT - BELMONT AVE
CV-T1010		PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - BELMONT AVE
CV-T1011		PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - N H ST/N WESLEY AVE
CV-T1012		PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE - N CARUTH AVE/N FARRIS AVE
CV-R1001-THN		PACKAGE 1A - ROADWAY - ROADWAY LAYOUT - N THORNE AVE
CV-R1002-THN		PACKAGE 1A - ROADWAY - GRADE SEPARATION PROFILE- N THORNE AVE
CV-T3001		PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS
CV-T3002		PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS
CV-T3003		PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS
CV-T3004		PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS
CV-T3005		PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS
CV-T3006		PACKAGE 1A - ROADWAY - ROADWAY / GRADE SEPARATION - TYPICAL SECTIONS
CT1011		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - STANISLAUS ST AND TOULUMNE ST
CT1013		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - FRESNO ST
CT1016		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - TUOLUMNE ST (OVERHEAD)
CT1017		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - TUOLUMNE ST (UNDERPASS)
CT1019		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - VENTURA ST
CT1020		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION LAYOUT - VENTURA ST
CT2011		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - STANISLAUS ST
CT2012		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - TUOLUME ST
CT2013		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - FRESNO ST
CT2014		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - H ST (FRESNO ST)
CT2015		FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - G ST (FRESNO ST)

# **VOLUME 3 - ROADWAY**

CT2016	FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - TULARE ST (OVERHEAD)
CT2017	FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - TULARE ST (UNDERPASS)
CT2018	FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - G ST (TULARE STREET UNDERPASS)
CT2019	FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - VENTURA ST
СТ2029	FRESNO SUBSECTION - ALIGNMENT F1 - GRADE SEPARATION PROFILE - G ST (OVER VENTURA) & H ST
CT3001	FRESNO SUBSECTION - ALIGNMENT F1 - ROADWAY / GRADE SEPARATION LAYOUT - TYPICAL CROSS SECTION
CT3002	FRESNO SUBSECTION - ALIGNMENT F1 - ROADWAY / GRADE SEPARATION LAYOUT - TYPICAL CROSS SECTION
СТ3003	FRESNO SUBSECTION - ALIGNMENT F1 - ROADWAY / GRADE SEPARATION LAYOUT - TYPICAL CROSS SECTION
CT3004	FRESNO SUBSECTION - ALIGNMENT F1 - ROADWAY / GRADE SEPARATION LAYOUT - TYPICAL CROSS SECTION
CV-T5000	PACKAGE 1A - ROADWAY - CONSTRUCTION DETAILS
CV-T5001	PACKAGE 1A - ROADWAY - ROADWAY CLOSURE DETAILS
ST-I1001	PACKAGE 1A - ROADWAY - GOLDEN STATE BOULEVARD BRIDGE AT HERNDON CANAL - GENERAL PLAN
ST-I1002	PACKAGE 1A - ROADWAY - GOLDEN STATE BOULEVARD BRIDGE AT HERNDON CANAL - TYPICAL SECTIONS
ST-I1003	PACKAGE 1A - ROADWAY - GOLDEN STATE BOULEVARD BRIDGE AT HERNDON CANAL - FOUNDATION PLAN
ST-I1004	PACKAGE 1A - ROADWAY - SHAW AVE OVERHEAD - GENERAL PLAN NO. 1
ST-I1005	PACKAGE 1A - ROADWAY - SHAW AVE OVERHEAD - GENERAL PLAN NO. 2
ST-I1006	PACKAGE 1A - ROADWAY - SHAW AVE OVERHEAD - TYPICAL SECTIONS
ST-I1007	PACKAGE 1A - ROADWAY - SHAW AVE OVERHEAD - FOUNDATION PLAN
ST-I1008	PACKAGE 1A - ROADWAY - ASHLAN OVERHEAD - GENERAL PLAN
ST-I1009	PACKAGE 1A - ROADWAY - ASHLAN OVERHEAD - TYPICAL SECTION
ST-I1010	PACKAGE 1A - ROADWAY - ASHLAN OVERHEAD - FOUNDATION PLAN
ST-I1011	PACKAGE 1A - ROADWAY - ASHLAN OVERHEAD - BENT ELEVATION
ST-I1012	PACKAGE 1A - ROADWAY - CLINTON AVE OVERCROSSING - GENERAL PLAN
ST-I1013	PACKAGE 1A - ROADWAY - CLINTON AVE OVERCROSSING - TYPICAL SECTION
ST-I1014	PACKAGE 1A - ROADWAY - CLINTON AVE OVERCROSSING - FOUNDATION PLAN
ST-I1015	PACKAGE 1A - ROADWAY - CLINTON AVE OVERCROSSING - CONSTRUCTION DETAILS NO. 1
ST-I1016	PACKAGE 1A - ROADWAY - CLINTON AVE OVERCROSSING - CONSTRUCTION DETAILS NO. 2
ST-I1017	PACKAGE 1A - ROADWAY - FRESNO YARD OVERHEAD (CLINTON/UPRR) - GENERAL PLAN
ST-I1018	PACKAGE 1A - ROADWAY - FRESNO YARD OVERHEAD (CLINTON/UPRR) - TYPICAL SECTION
ST-I1019	PACKAGE 1A - ROADWAY - FRESNO YARD OVERHEAD (CLINTON/UPRR) - FOUNDATION PLAN
ST-I1020	PACKAGE 1A - ROADWAY - FRESNO YARD OVERHEAD (CLINTON/UPRR)- BENT ELEVATION
ST-I1021	PACKAGE 1A - ROADWAY - MCKINLEY BLVD UNDERCROSSING (WIDEN) - GENERAL PLAN
ST-I1022	PACKAGE 1A - ROADWAY - MCKINLEY BLVD UNDERCROSSING (WIDEN) - TYPICAL SECTION
ST-I1023	PACKAGE 1A - ROADWAY - MCKINLEY BLVD UNDERCROSSING (WIDEN) - FOUNDATION PLAN
ST-I1024	PACKAGE 1A - ROADWAY - VETERANS BOULEVARD OVERHEAD - DRAFT GENERAL PLAN
ST-I1025	PACKAGE 1A - ROADWAY - VETERANS BOULEVARD OVERHEAD - DRAFT GENERAL PLAN
ST-K1026	PACKAGE 1A - ROADWAY - DRAFT GENERAL PLAN - W MCKINLEY AVE
ST-K1027	PACKAGE 1A - ROADWAY - DRAFT GENERAL PLAN - W OLIVE AVE
ST-K1028	PACKAGE 1A - ROADWAY - DRAFT GENERAL PLAN - BELMONT AVE
ST-K1029	PACKAGE 1A - ROADWAY - DRAFT GENERAL PLAN - BELMONT AVE

						DESIGNED BY A. SHIELDS
						DRAWN BY A. SHIELDS
						CHECKED BY A. BOONE
						IN CHARGE A. BOONE
REV	DATE	BY	СНК	APP	DESCRIPTION	02/01/2012

PROPOSED PRELIMINARY DESIGN NOT FOR

CONSTRUCTION





#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY
INDEX OF DRAWINGS
SHEET 1 OF 5

GE-A0003 NONE

SHEET NO.

# **VOLUME 3 - ROADWAY**

# **VOLUME 3 - ROADWAY**

		CV-I1008-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD
CV-GE001	PACKAGE 1A - ROADWAY - GENERAL NOTES	CV-I1009-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD
CV-R0001	PACKAGE 1A - ROADWAY - KEY MAP - GOLDEN STATE BOULEVARD	CV-I1010-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD
CV-R0002	PACKAGE 1A - ROADWAY - KEY MAP - SR 99 RE-ALIGNMENT	CV-I1011-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD
CV-R1001-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1012-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD
CV-R1002-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1013-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD
CV-R1003-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1014-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD
CV-R1004-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1015-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD
CV-R1005-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1016-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD
CV-R1006-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1017-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD
CV-R1007-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1018-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD
CV-R1008-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1019-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD
CV-R1009-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1020-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD
CV-R1010-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1021-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2 - GOLDEN STATE BOULEVARD
CV-R1011-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - GOLDEN STATE BOULEVARD	CV-I1022-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 3 - GOLDEN STATE BOULEVARD
CV-R1012-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - VETERANS BOULEVARD	CV-I1023-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 3 - GOLDEN STATE BOULEVARD
CV-R1013-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - BULLARD AVENUE		
CV-R1014-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - SHAW AVENUE	CV-G1001-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R1015-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - SHAW AVENUE	CV-G1002-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R1016-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - CORNELIA AVENUE/SANTA ANA AVENUE	CV-G1003-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R1017-GSB	PACKAGE 1A - ROADWAY - PLAN AND PROFILE - CORNELIA AVENUE/SANTA ANA AVENUE	CV-G1004-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R3001-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - GOLDEN STATE BOULEVARD	CV-G1005-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R3002-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - GOLDEN STATE BOULEVARD	CV-G1006-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R3003-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - GOLDEN STATE BOULEVARD	CV-G1007-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R3004-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - GOLDEN STATE BOULEVARD	CV-G1008-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R3005-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - GOLDEN STATE BOULEVARD	CV-G1009-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R3006-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - SHAW AVENUE	CV-G1010-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R3007-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - SHAW AVENUE	CV-G1011-GSB	PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - GOLDEN STATE BOULEVARD
CV-R3008-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - SHAW AVENUE & VETERANS BOULEVARD		
CV-R3009-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - VETERANS BOULEVARD & BULLARD AVENUE	CV-R1001-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY
CV-R3010-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - CORNELIA AVENUE AND MOTEL DRIVE	CV-R1002-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY
CV-R3011-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - MOTEL, JENNIFER, KATHRYN & BARSTOW	CV-R1003-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, RAMPS
CV-R3012-GSB	PACKAGE 1A - ROADWAY - TYPICAL SECTION - WEBER, MARKET & STATE	CV-R1004-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, RAMPS
		CV-R1005-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, RAMPS
CV-I1001-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD	CV-R1006-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, LOCAL ROADS
CV-I1002-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD	CV-R1007-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, LOCAL ROADS
CV-I1003-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD	CV-R1008-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY
CV-I1004-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD	CV-R1009-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, LOCAL ROADS
CV-I1005-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD	CV-R1010-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, RAMPS, LOCAL ROADS
CV-I1006-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD	CV-R1011-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - HIGHWAY, RAMPS, LOCAL ROADS
CV-I1007-GSB	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1 - GOLDEN STATE BOULEVARD	CV-R1012-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - W CLINTON AVE

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777							DESIGNED BY A. SHIELDS	
4							DRAWN BY A. SHIELDS	
_							CHECKED BY A. BOONE	
arcor							IN CHARGE A. BOONE	
DeMar	REV	DATE	BY	СНК	APP	DESCRIPTION	02/01/2012	

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DESIGN
NOT FOR

CONSTRUCTION





# CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY INDEX OF DRAWINGS SHEET 2 OF 5

CONTRACT NO.
DRAWING NO.
GE-A0004

NONE SHEET NO.

# **VOLUME 3 - ROADWAY**

CV-R1013-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - W CLINTON AVE
CV-R1014-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - N GOLDEN STATE BLVD
CV-R1015-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - RAMPS
CV-R1016-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - LOCAL ROADS
CV-R1017-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - LOCAL ROADS
CV-R1018-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - ASHLAN AVE
CV-R1019-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - ASHLAN AVE
CV-R1020-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - RAMPS
CV-R1021-R99	PACKAGE 1A - ROADWAY - LAYOUTS - SR 99 - RAMPS
CV-R1101-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A"
CV-R1102-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A"
CV-R1103-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A"
CV-R1104-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A"
CV-R1105-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A"
CV-R1106-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A"
CV-R1107-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A"
CV-R1108-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A"
CV-R1109-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - HIGHWAY "A"
CV-R1110-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - W CLINTON AVE "C"
CV-R1111-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - W CLINTON AVE "C"
CV-R1112-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "C1"
CV-R1113-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "C2"
CV-R1114-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "C3"
CV-R1115-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "C4"
CV-R1116-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MS"
CV-R1117-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MS"
CV-R1118-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MS"
CV-R1119-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MN4"
CV-R1120-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MN"
CV-R1121-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "MN"
CV-R1122-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - ASHLAN AVE "AS"
CV-R1123-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - ASHLAN AVE "AS"
CV-R1124-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS1", "AS2"
CV-R1125-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS3"
CV-R1126-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS4"
CV-R1127-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS4"
CV-R1128-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS4"
CV-R1129-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "AS5"
CV-R1130-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "H1"
CV-R1131-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "H1"

# **VOLUME 3 - ROADWAY**

CV-R1132-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - RAMP "H2"
CV-R1133-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - PLEASANT AVE "P"
CV-R1134-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - SHIELDS AVE "S", "SC"
CV-R1135-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - VALENTINE AVE "VAL"
CV-R1136-R99	PACKAGE 1A - ROADWAY - PROFILE AND SUPERELEVATION - SR 99 - N PARKWAY DR "V1"
CV-R0001-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY
CV-R0002-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY
CV-R0003-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY
CV-R0004-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY
CV-R0005-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY
CV-R0006-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY
CV-R0007-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY
CV-R0008-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY
CV-R0009-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - HIGHWAY
CV-R0010-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "C1"
CV-R0011-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "C2"
CV-R0012-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "C3"
CV-R0013-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "C4"
CV-R0014-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - W CLINTON AVE
CV-R0015-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - W CLINTON AVE
CV-R0016-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "MS", "MN"
CV-R0017-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "MN4"
CV-R0018-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "AS1", "AS2", "AS3"
CV-R0019-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "AS4"
CV-R0020-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "AS4", "AS5"
CV-R0021-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - ASHLAN AVE
CV-R0022-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - RAMP "H1", "H2"
CV-R0023-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - LOCAL ROAD "W"
CV-R0024-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - LOCAL ROAD "S", "SC", "P", "VAL", 'V1"
CV-R0025-R99	PACKAGE 1A - ROADWAY - TYPICAL SECTIONS - SR 99 - LOCAL ROAD "WP", "NP", "VA"
CV-R7001-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7002-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7003-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7004-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7005-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7006-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7007-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7008-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7009-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT

-								
,							DESIGNED BY A. SHIELDS	
ŕ							DRAWN BY A. SHIELDS	
							CHECKED BY A. BOONE	
5							IN CHARGE A. BOONE	
)	REV	DATE	BY	СНК	APP	DESCRIPTION	02/01/2012	

PROPOSED PRELIMINARY DESIGN

**AECOM** 2020 L Street, Suite 300 Sacramento, CA 95811 CH2MHILL



#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY
INDEX OF DRAWINGS
SHEET 3 OF 5 CONTRACT NO.

DRAWING NO. GE-A0005 NONE

SHEET NO.

NOT FOR

CONSTRUCTION

CV-I1023-R99

CV-I1024-R99

CV-I1025-R99

CV-I1026-R99

CV-I1027-R99

CV-I1028-R99

VOLUME	3 - ROADWAY
CV-R7010-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7011-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7012-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7013-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7014-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7015-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7016-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7017-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7018-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7019-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7020-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-R7021-R99	PACKAGE 1A - ROADWAY - PAVEMENT DELINEATION AND SIGNING - SR 99 RE - ALIGNMENT
CV-I1001-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT
CV-I1002-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT
CV-I1003-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT
CV-I1004-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT
CV-I1005-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT
CV-I1006-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT
CV-I1007-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1A - SR 99 RE - ALIGNMENT
CV-I1008-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1B - SR 99 RE - ALIGNMENT
CV-I1009-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1B - SR 99 RE - ALIGNMENT
CV-I1010-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1B - SR 99 RE - ALIGNMENT
CV-I1011-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1B - SR 99 RE - ALIGNMENT
CV-I1012-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1B - SR 99 RE - ALIGNMENT
CV-I1013-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT
CV-I1014-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT
CV-I1015-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT
CV-I1016-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT
CV-I1017-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT
CV-I1018-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT
CV-I1019-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT
CV-I1020-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT
CV-I1021-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT
CV-I1022-R99	PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT
CV-11023-P00	DACKACE 1A CONSTRUCTION STACING STACE 1C SD 00 DE ALIGNMENT

PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT

PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT

PACKAGE 1A - CONSTRUCTION STAGING - STAGE 1C - SR 99 RE - ALIGNMENT

PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT

PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT

PACKAGE 1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT

# **VOLUME 3 - ROADWAY**

CV-I1030-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT
CV-I1031-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT
CV-I1032-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT
CV-I1033-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT
CV-I1034-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT
CV-I1035-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT
CV-I1036-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2A - SR 99 RE - ALIGNMENT
CV-I1037-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1038-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1039-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1040-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1041-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1042-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1043-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1044-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1045-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1046-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1047-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1048-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1049-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1050-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1051-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1052-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1053-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1054-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-I1055-R99 PACKAGE	1A - CONSTRUCTION STAGING - STAGE 2B - SR 99 RE - ALIGNMENT
CV-G1001-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1002-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1003-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1003A-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1004-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1004A-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1005-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1006-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1007-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1008-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1009-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1010-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT
CV-G1011-R99 PACKAGE	1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT

-								
,							DESIGNED BY A. SHIELDS	
ŕ							DRAWN BY A. SHIELDS	
							CHECKED BY A. BOONE	
5							IN CHARGE A. BOONE	
Š	REV	DATE	BY	СНК	APP	DESCRIPTION	02/01/2012	

PROPOSED PRELIMINARY DESIGN NOT FOR

CONSTRUCTION





#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY INDEX OF DRAWINGS SHEET 4 OF 5

CONTRACT NO.
DRAWING NO.
GE-A000

NONE SHEET NO.

CV-G1013-R99

CV-G1014-R99

CV-G1015-R99

CV-G1016-R99

CV-G1017-R99

CV-G1018-R99

CV-G1019-R99

CV-G1020-R99

CV-G1021-R99

PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT

PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT

PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT

PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT

PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT

PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT

PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT

PACKAGE 1A - ROADWAY - GRADING AND DRAINAGE PLAN - SR 99 RE-ALIGNMENT

REV DATE

BY CHK APP

DESCRIPTION

DESIGNED BY A. SHIELDS PROPOSED DRAWN BY A. SHIELDS PRELIMINARY CHECKED BY A. BOONE DESIGN IN CHARGE A. BOONE NOT FOR CONSTRUCTION

02/01/2012





**VOLUME 3 - ROADWAY** 

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY INDEX OF DRAWINGS SHEET 5 OF 5

T	
	DRAWING NO.
	GE-A0007
	SCALE
	NONE
	SHEET NO

STANDARD HIGH SPEED RAIL SPECIFICATIONS, SPECIFICATIONS: CALTRANS STANDARD SPECIFICATIONS

DATED MAY 2006

SEISMIC

DESIGN: HIGH SPEED RAIL TECHNICAL MEMORANDA, CALTRANS SEISMIC DESIGN CRITERIA (SDC)

VERSION 1.6, NOVEMBER 2010

DEAD LOAD:

WIND

INCLUDES 35 PSF FOR FUTURE WEARING SURFACE

LIVE

LOADING: HL93 AND PERMIT DESIGN LOAD

LOAD:

100 MPH WIND VELOCITY

REINFORCED

CONCRETE:

fy = 60 ksif'c = SEE CONCRETE STRENGTH AND TYPE LIMITS

PRESTRESSED

CONCRETE: LOW RELAXATION STRANDS

> fpy = 243 ksifpu = 270 ksi

f'ci = 5 ksi AT TIME OF RELEASE

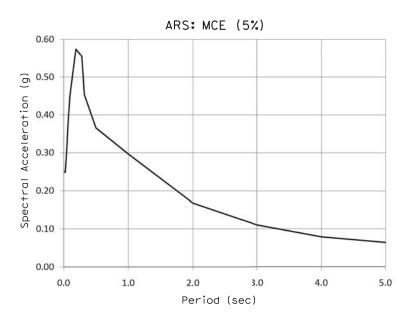
f'c = 7 ksi AT 28 DAYS

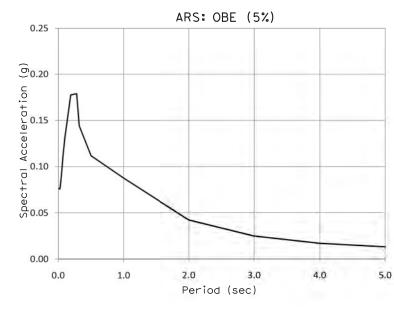
PILES: CLASS 200 PILES

B2-8\

CLASS 140 PILES CLASS 90 PILES

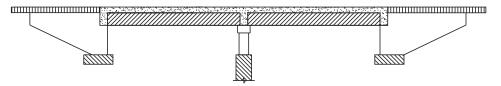






# GENERAL STRUCTURAL NOTES

- 1. PILE/SHAFT LENGTHS TO BE DETERMINED
- 2. EMBEDDED ITEMS REQUIRED FOR UTILITY INSTALLATIONS ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL REFER TO THE UTILITY DRAWINGS FOR THE LOCATIONS AND DETAILS OF THESE ITEMS.
- 3. MSE WALL REINFORCEMENT AND PANEL TO BE
- 4. ALL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER DRAWINGS RELATED TO THE WORK.
- 5. ALL SPANS ARE DESIGNED CONTINUOUS FOR LIVE LOAD.



STRUCTURAL CONCRETE, BRIDGE f'c = 5 ksi AT 28 DAYS

STRUCTURAL CONCRETE, APPROACH SLAB f'c = 4 ksi AT 28 DAYS

STRUCTURAL CONCRETE, SUPERSTRUCTURE f'c = 5 ksi AT 28 DAYS

STRUCTURAL CONCRETE, BRIDGE FOOTING f'c = 4 ksi AT 28 DAYS

PRECAST PRESTRESSED GIRDER f'c = SEE PRESTRESSED CONCRETE

#### CONCRETE STRENGTH AND TYPE LIMITS

NO SCALE

						DESIGNED BY M. BURGARD	Г
						DRAWN BY D. BARNHART	
						CHECKED BY E. MORAN	
						IN CHARGE Y. BERI	
ΕV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/08/11	

PROPOSED **PRELIMINARY** DESIGN NOT FOR

CONSTRUCTION





#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY GENERAL STRUCTURAL NOTES CV-B0002

AS SHOWN SHEET NO.

LOCATION NO.	SHEET TITLE	ROADWAY DWG NO.	STRUCTURE DWG NO.
1	GRADE SEPARATION - MCKINLEY AVE	CV-T1001 - CV-T1003	ST-K1026
2	GRADE SEPARATION - OLIVE AVE	CV-T1007 - CV-T1008	ST-K1027
3	GRADE SEPARATION - BELMONT AVE	CV-T1009 - CV-T1010	ST-K1028 - ST-K1029
-21	LOCAL ROAD - MCKINLEY AVE CONNECTOR	CV-T1001 & CV-T1003	-
22	LOCAL ROAD - N WEBER AVE	CV-T1001 & CV-T1003	-
23	LOCAL ROAD - N WEST AVE	CV-T1004	-
24	LOCAL ROAD - N GOLDEN STATE BLVD	CV-T1001 - CV-T1006	-
25	LOCAL ROAD - N H ST / N WEBER AVE	CV-T1009 & CV-T1011	-
26	LOCAL ROAD - N WESLEY AVE	CV-T1009 & CV-T1011	-
27	LOCAL ROAD - N THORNE AVE	CV-R1001-THN - CV-R1002-THN	-

IN CHARGE Q. EARLE

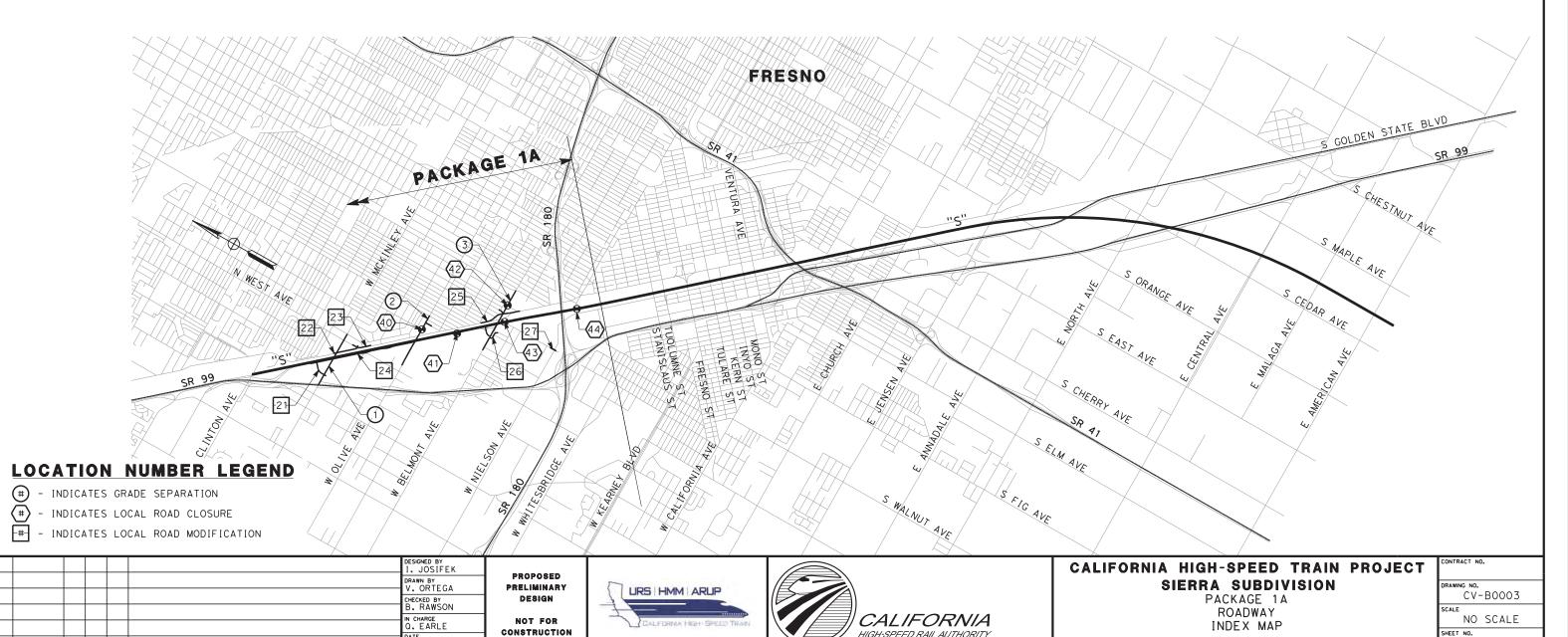
DESCRIPTION

BY CHK APP

02/17/12

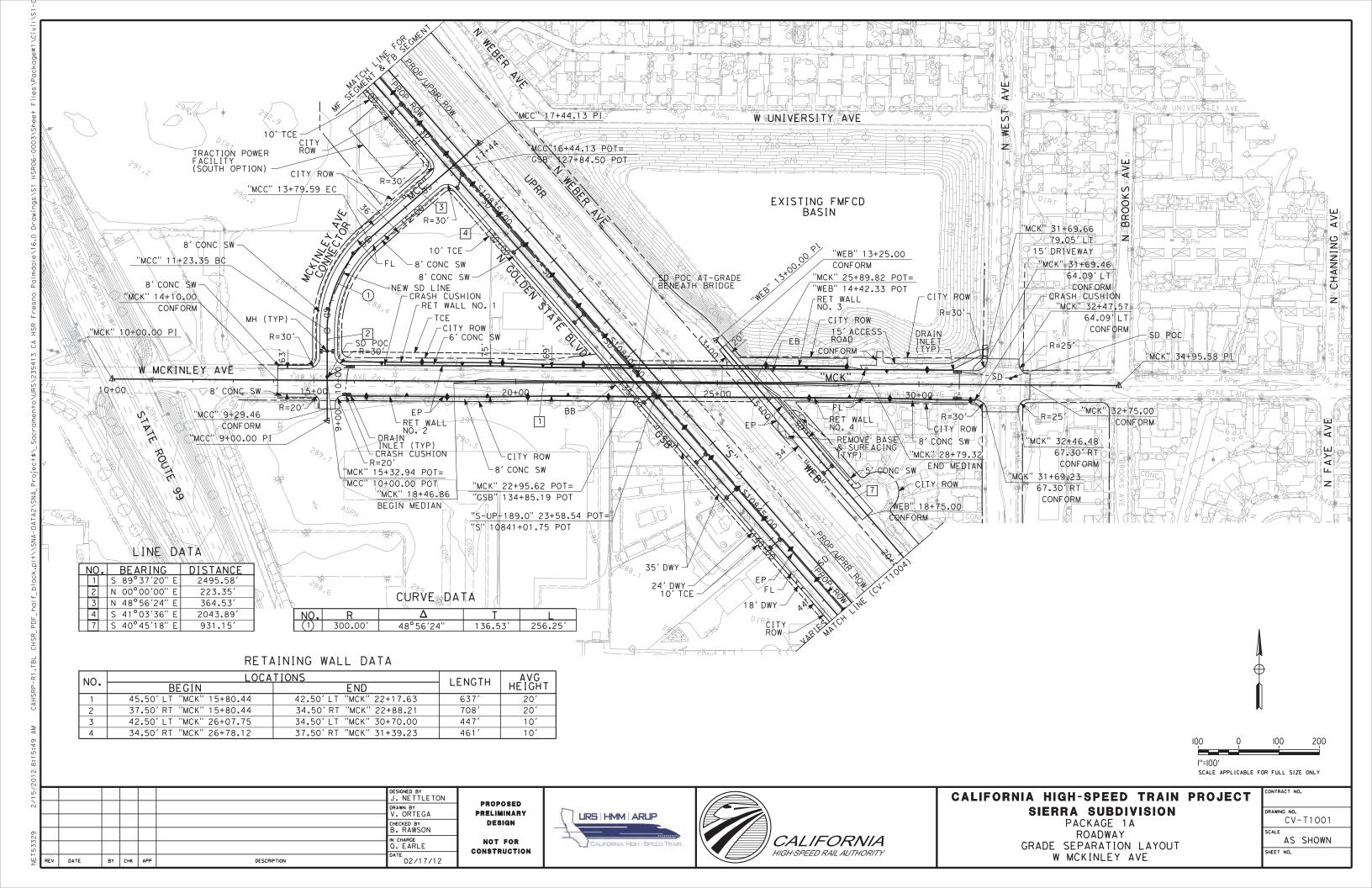
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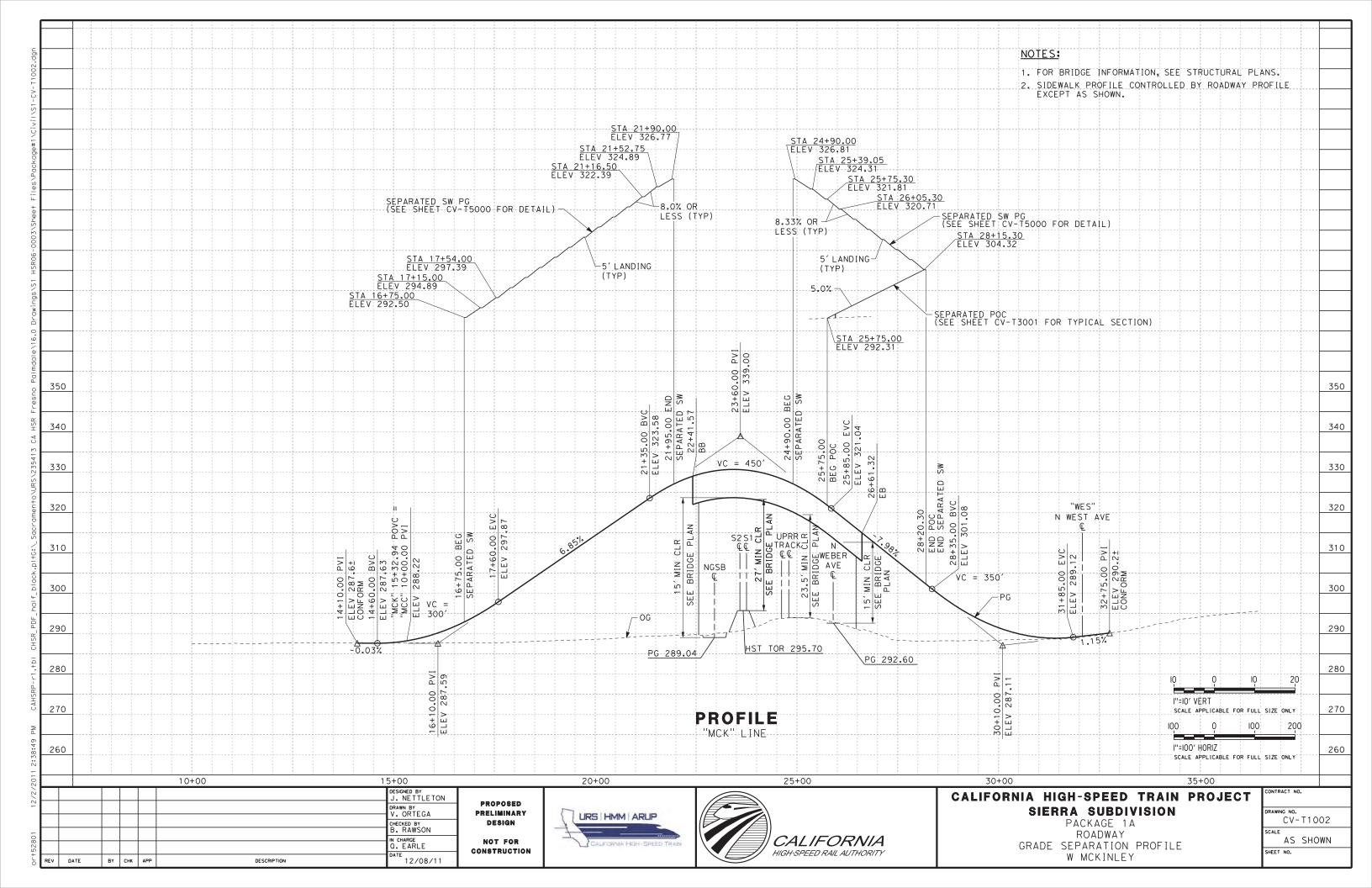
LOCATION NO.	SHEET TITLE	ROADWAY DWG NO.	STRUCTURE DWG NO.
40	ROAD CLOSURE - N DELNO AVE	CV-T1007	-
41>	ROAD CLOSURE - N GOLDEN STATE BLVD	CV-T1004 - CV-T1007	-
42	ROAD CLOSURE - N HARRISON AVE	CV-T1009	-
43	ROAD CLOSURE - N THORNE AVE	CV-T1009	-
(44)	ROAD CLOSURE - DIVISADERO ST	CV-T5001	-

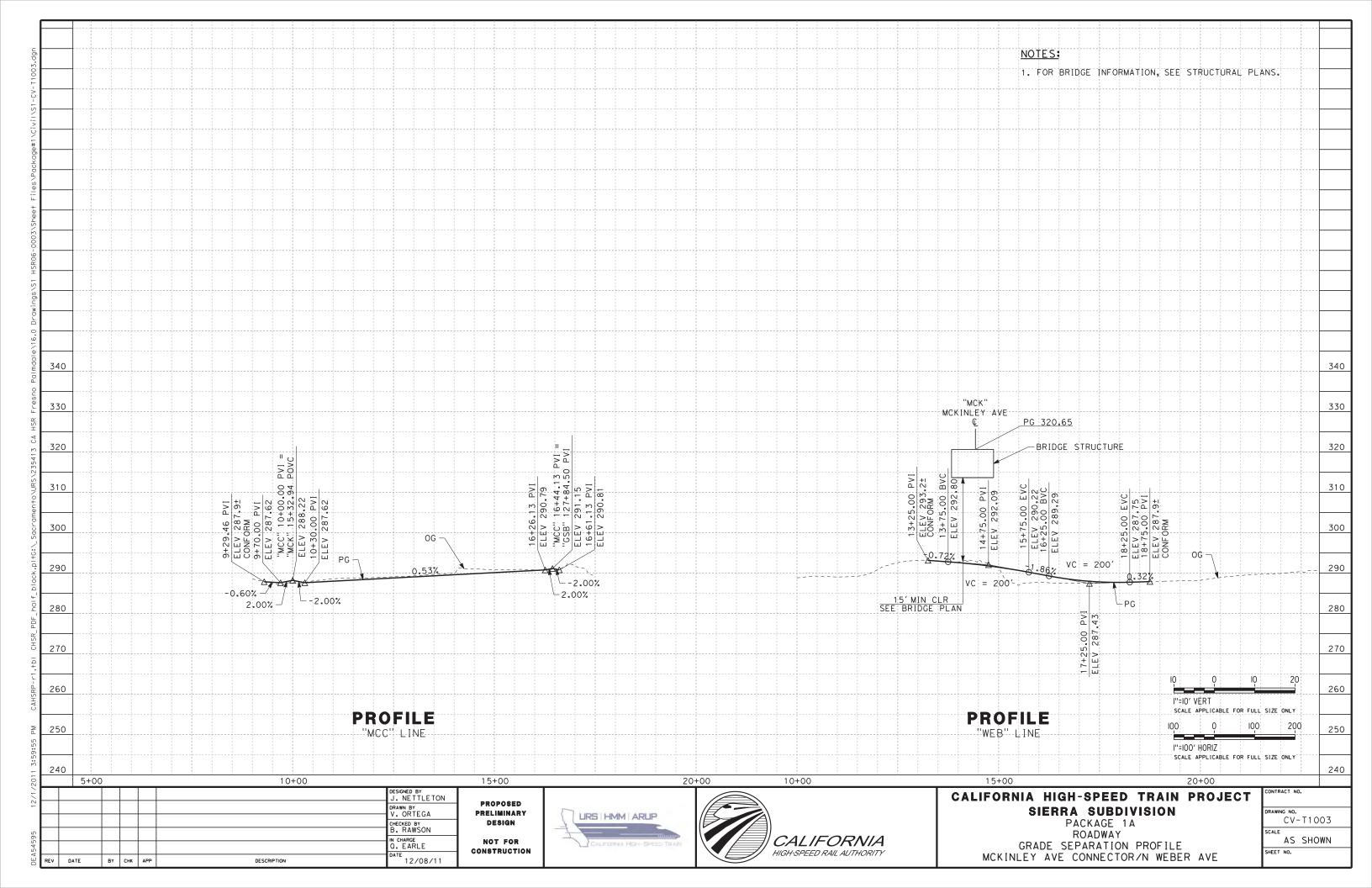


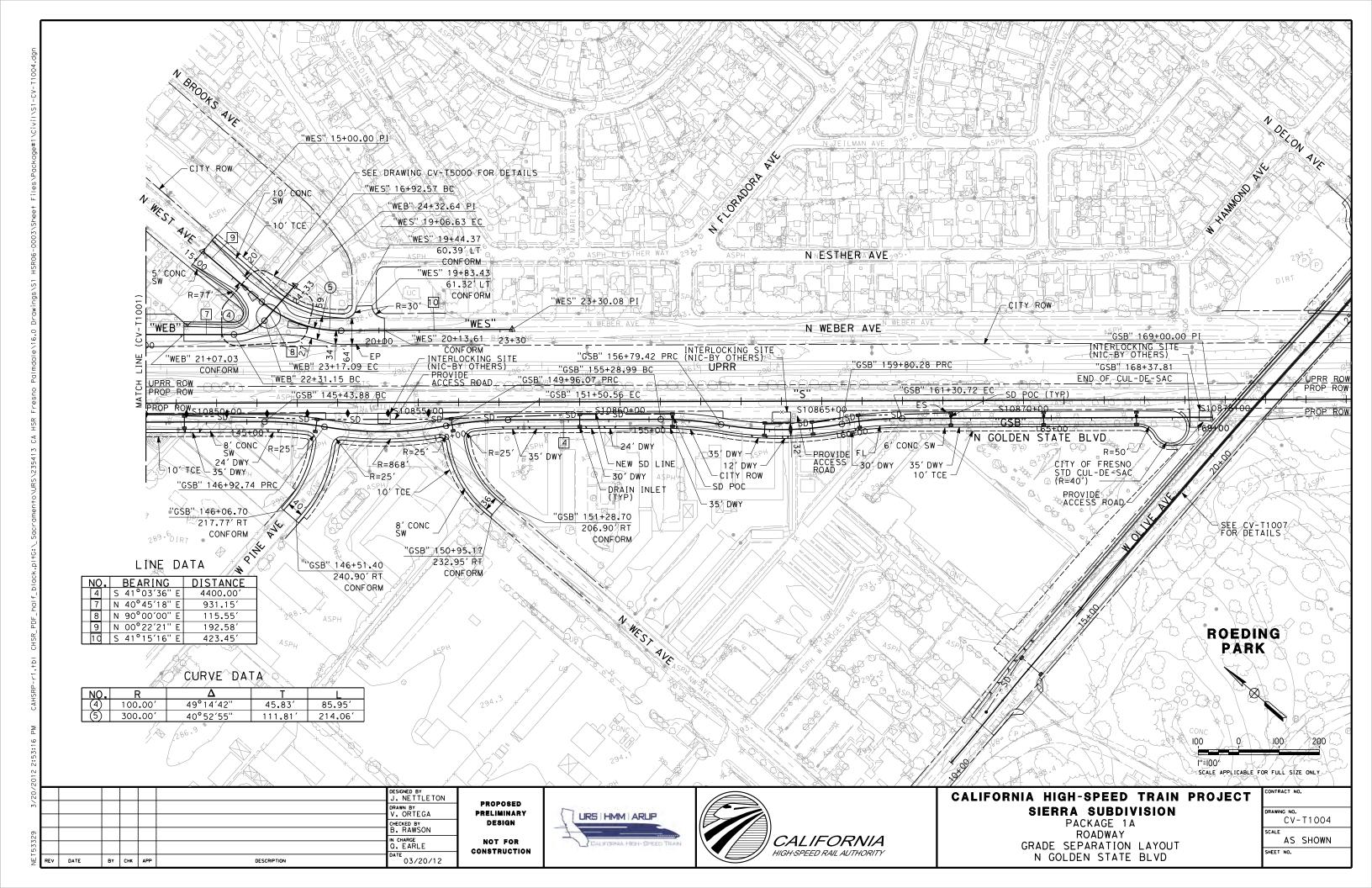
CALIFORNIA HIGH-SPEED RAIL AUTHORITY

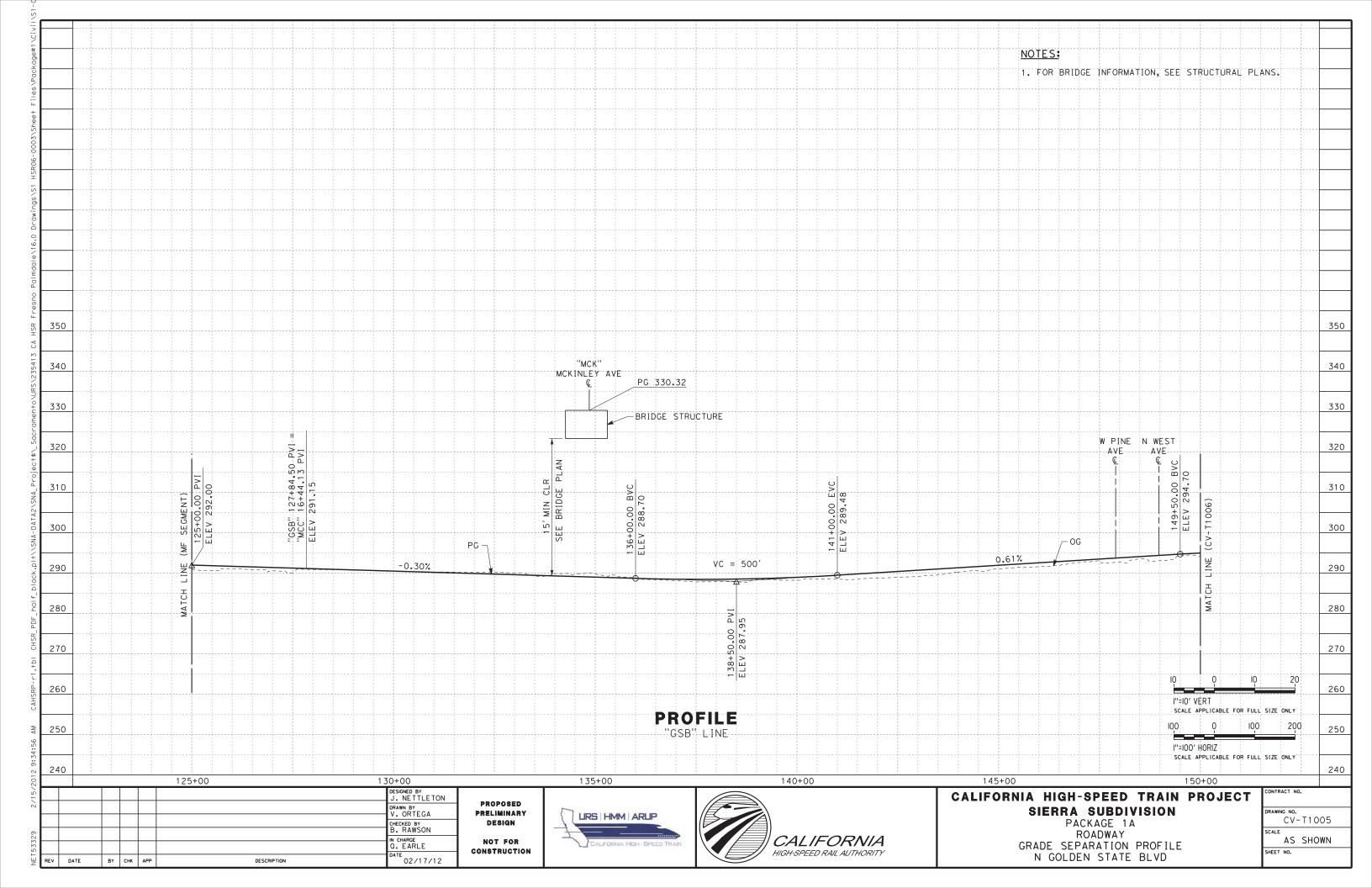
NO SCALE

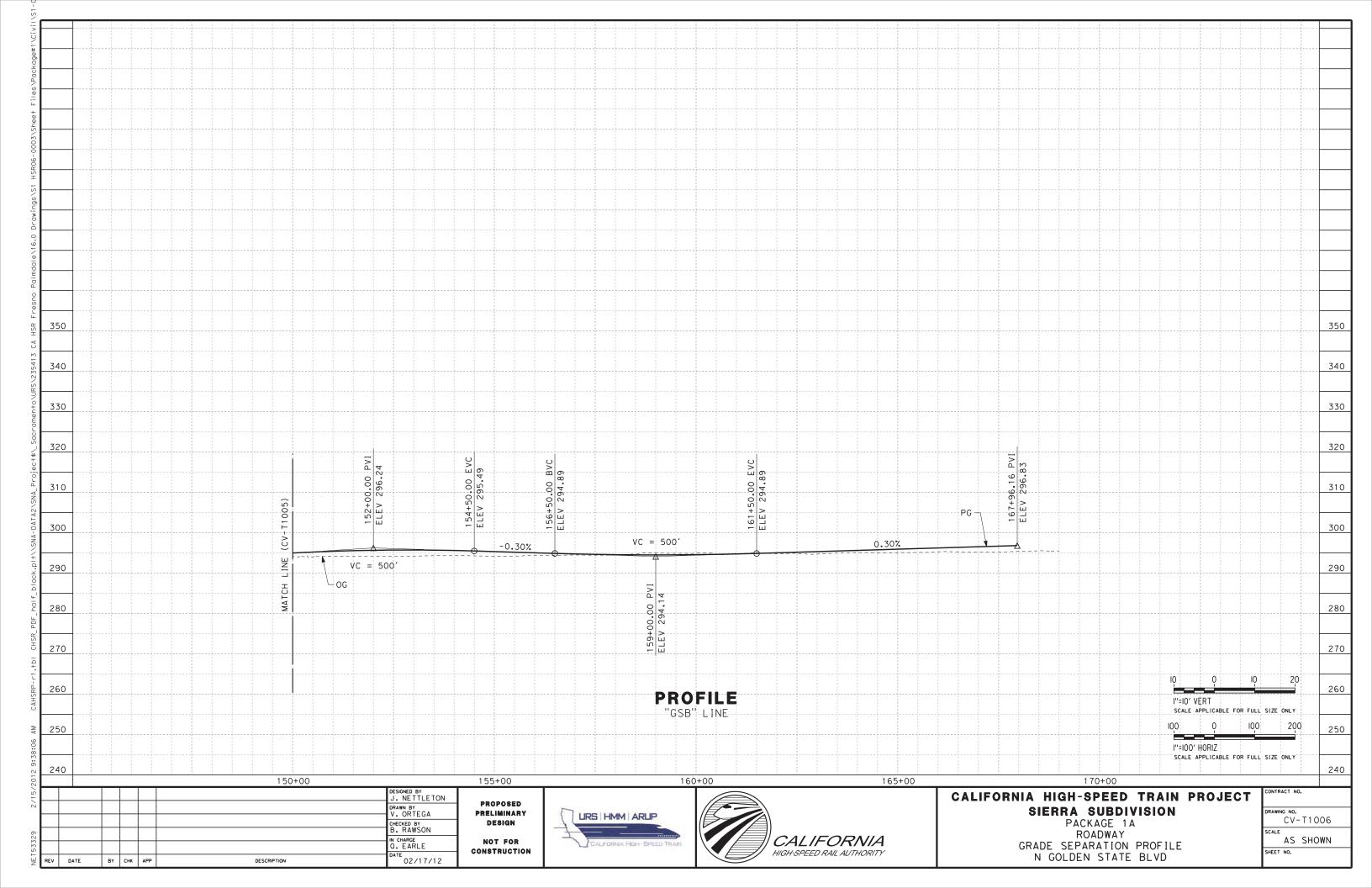


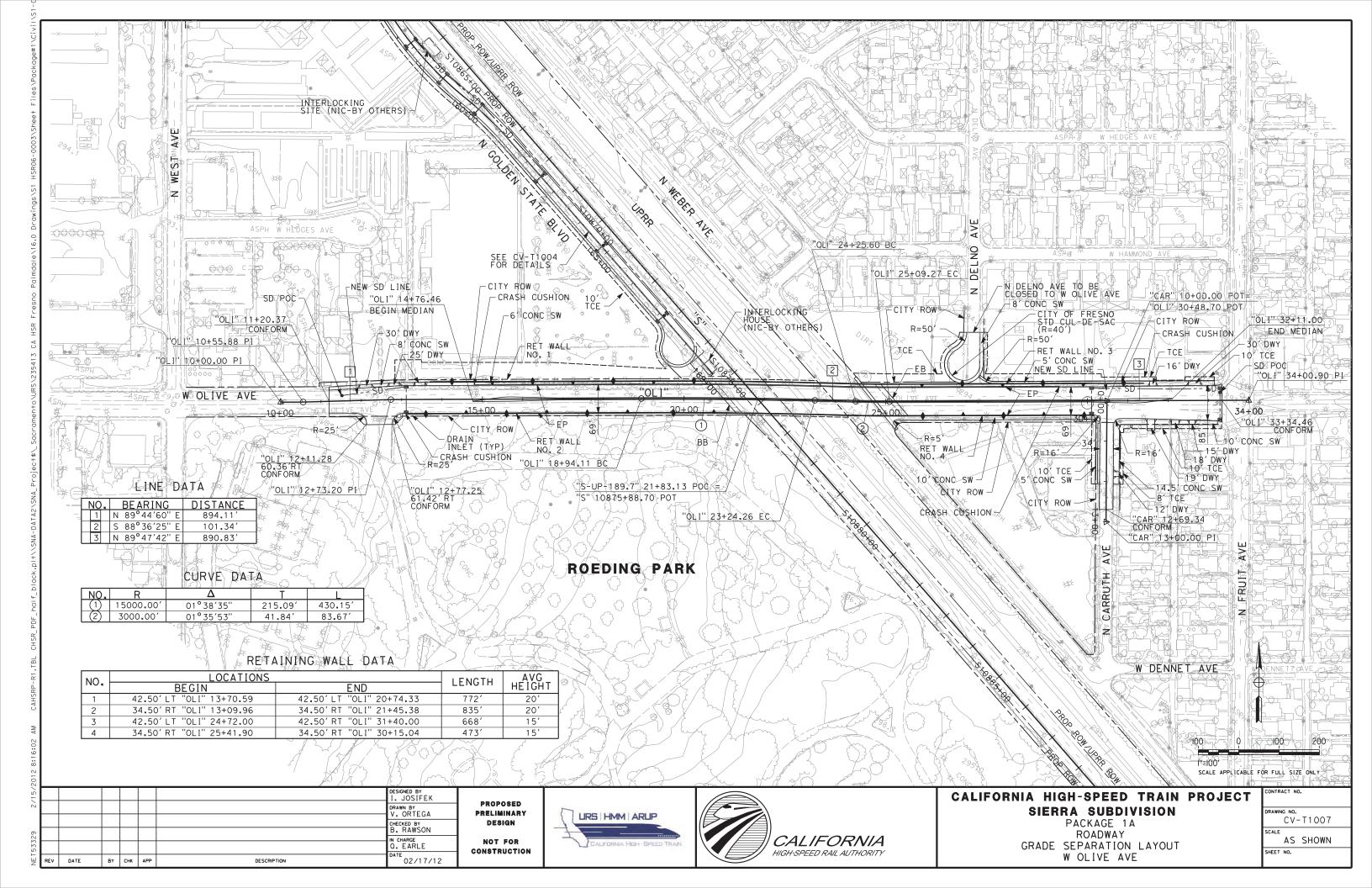


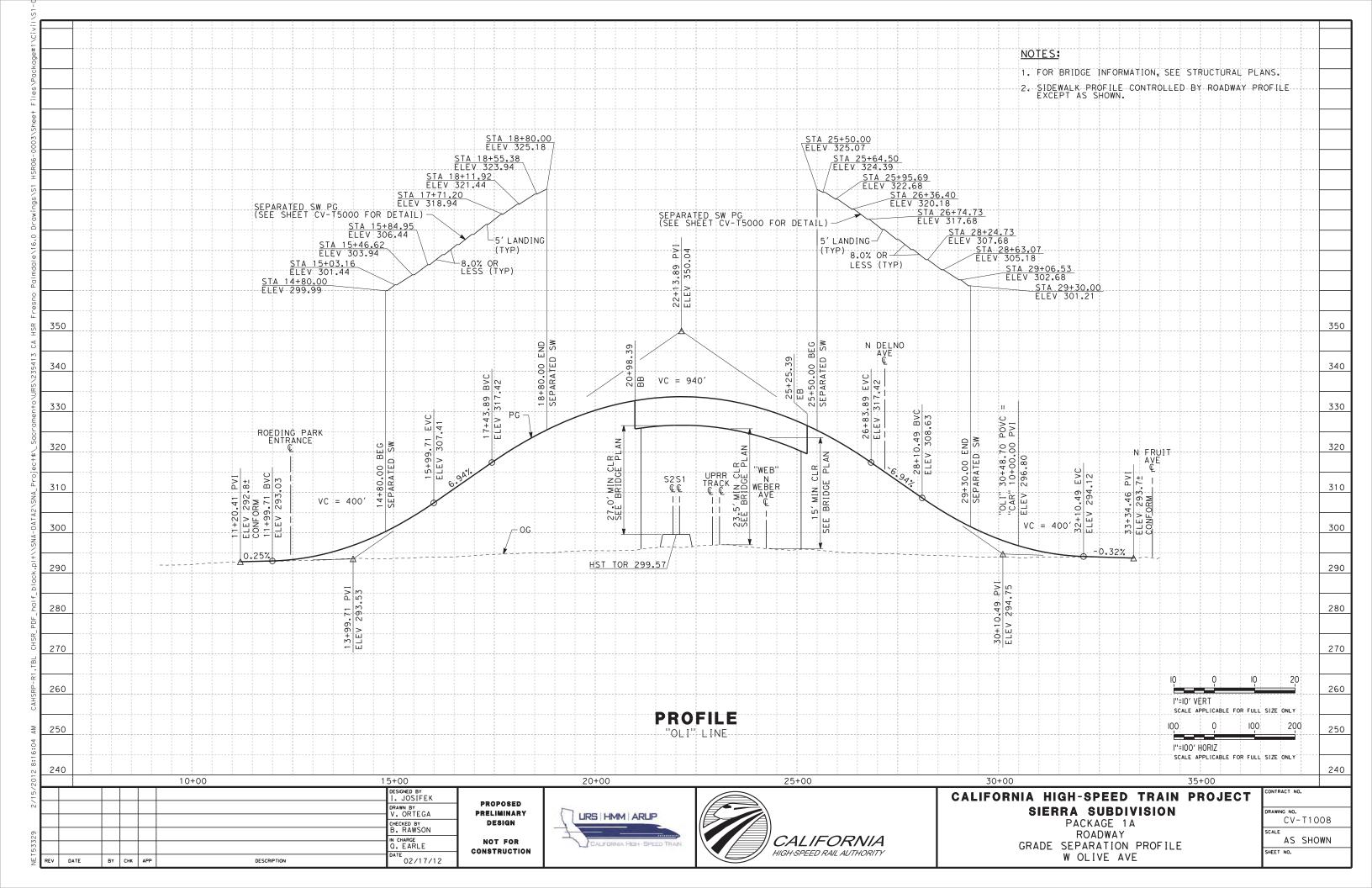


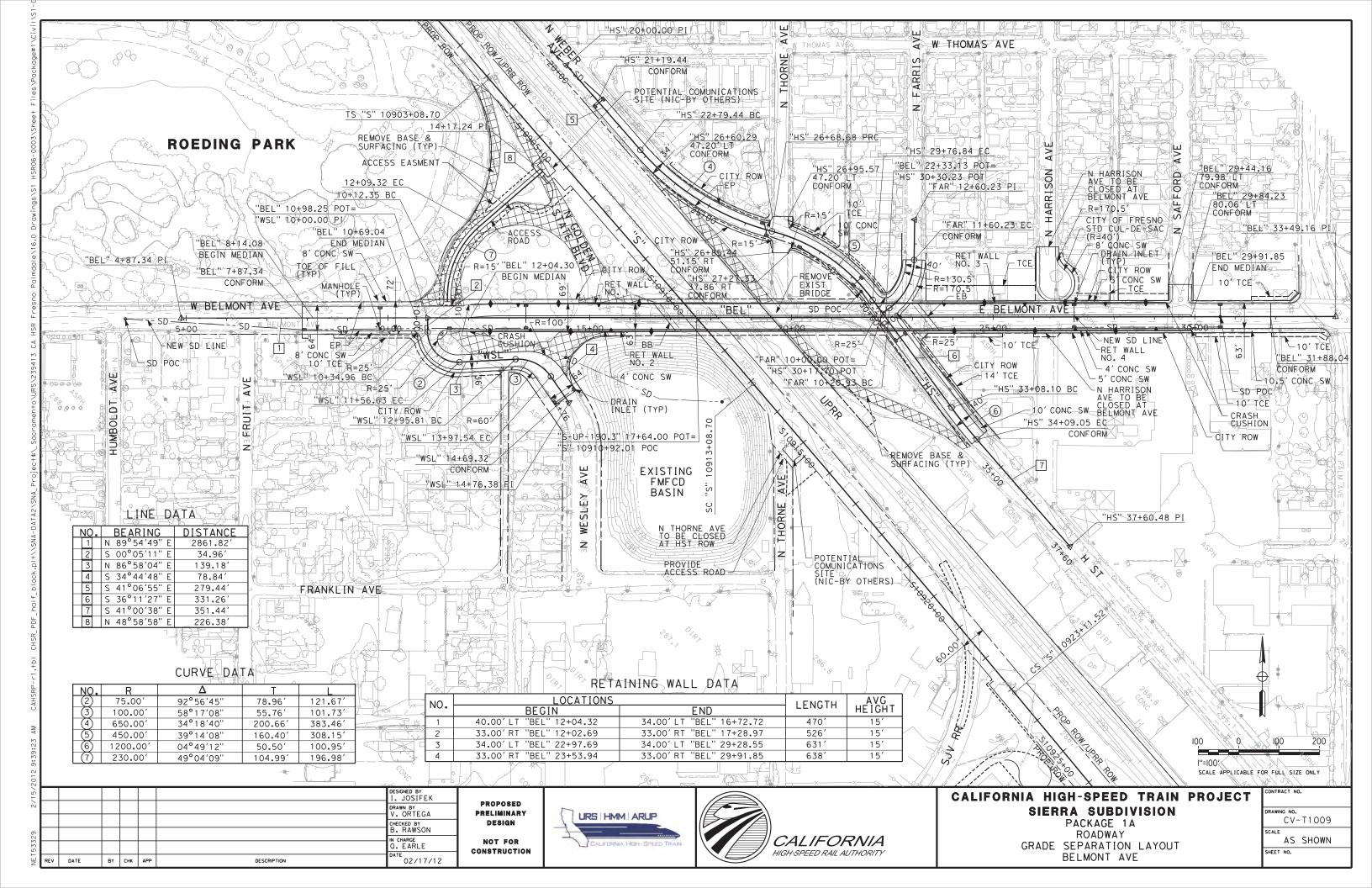


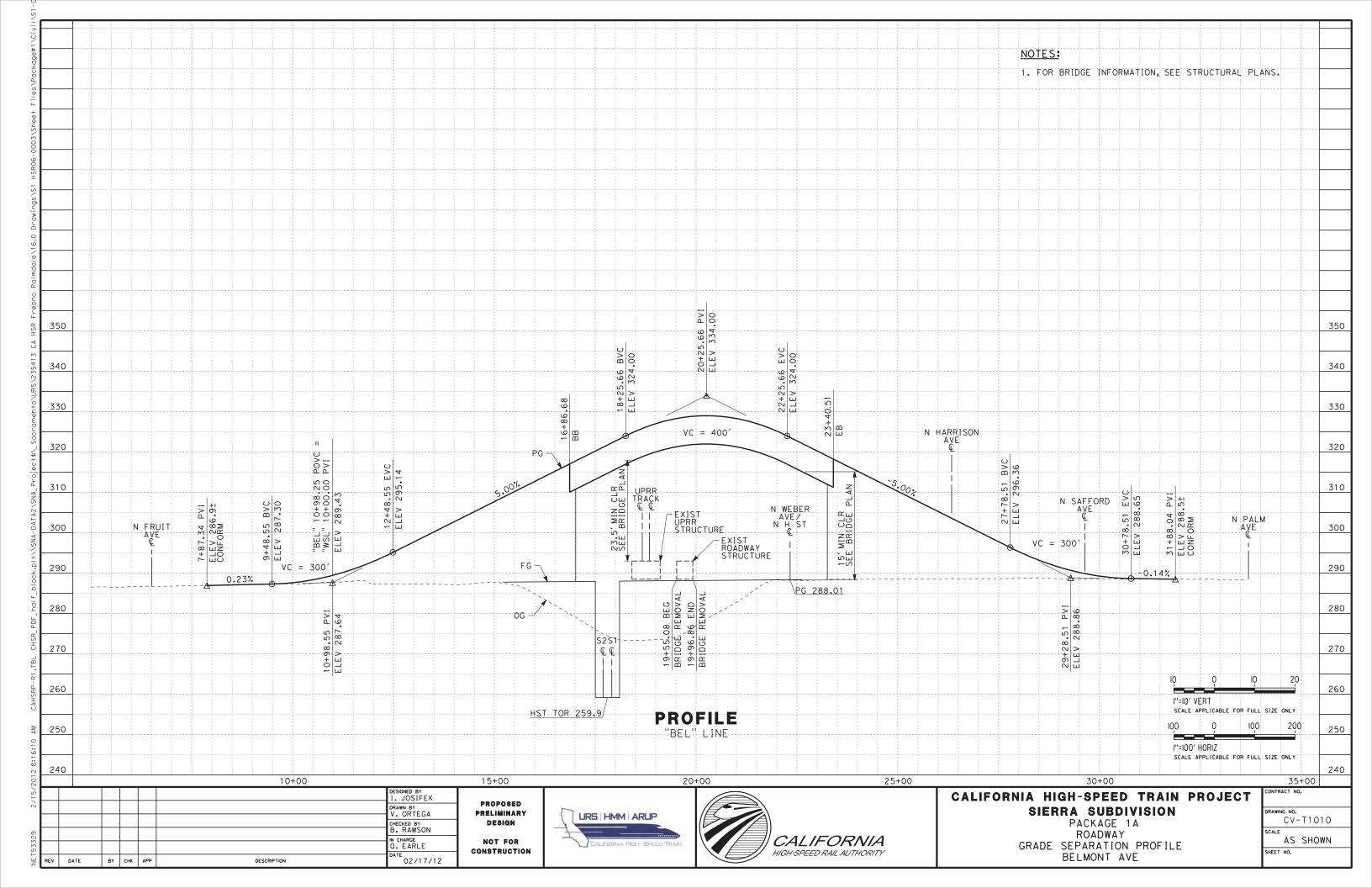


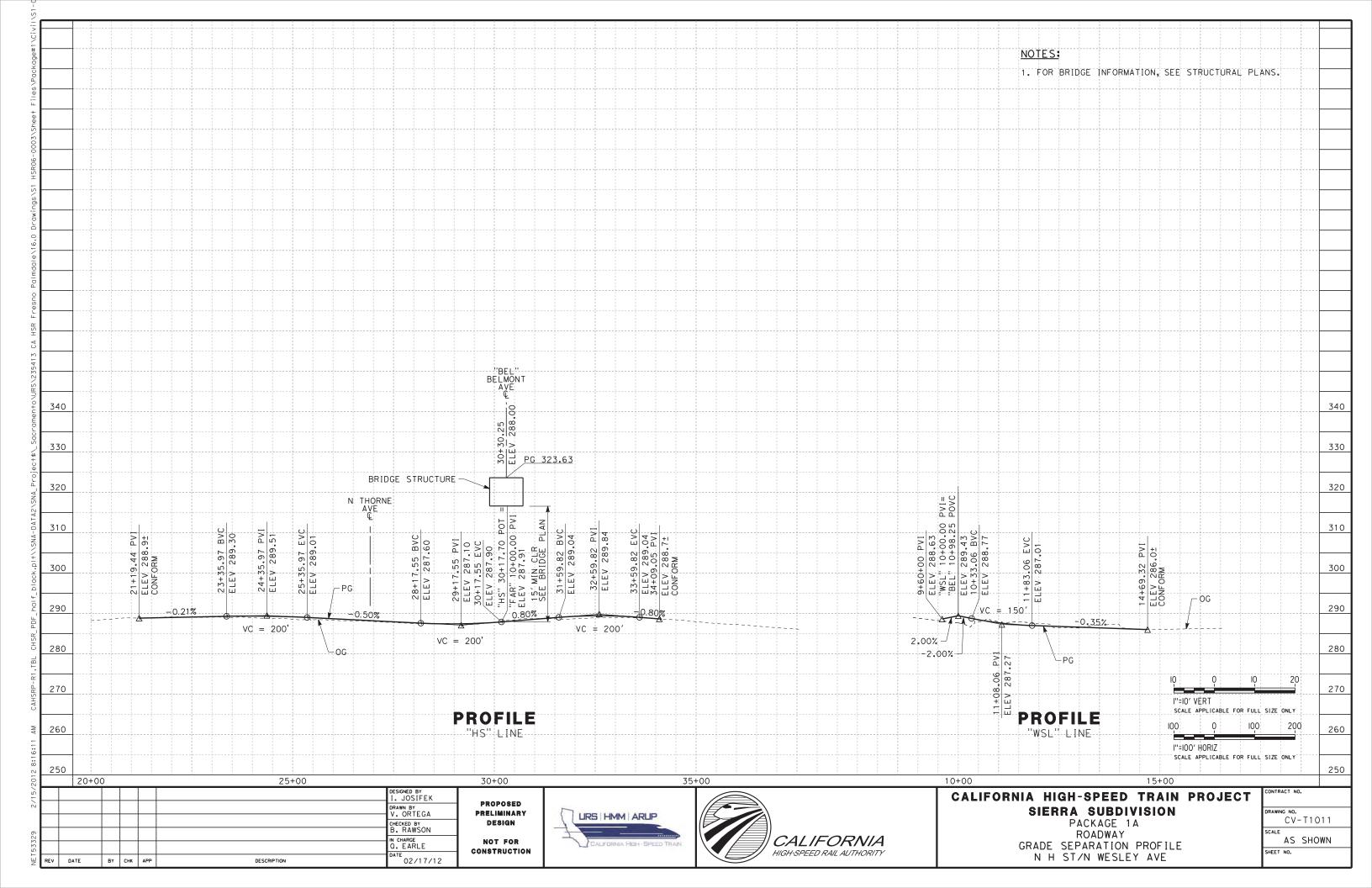


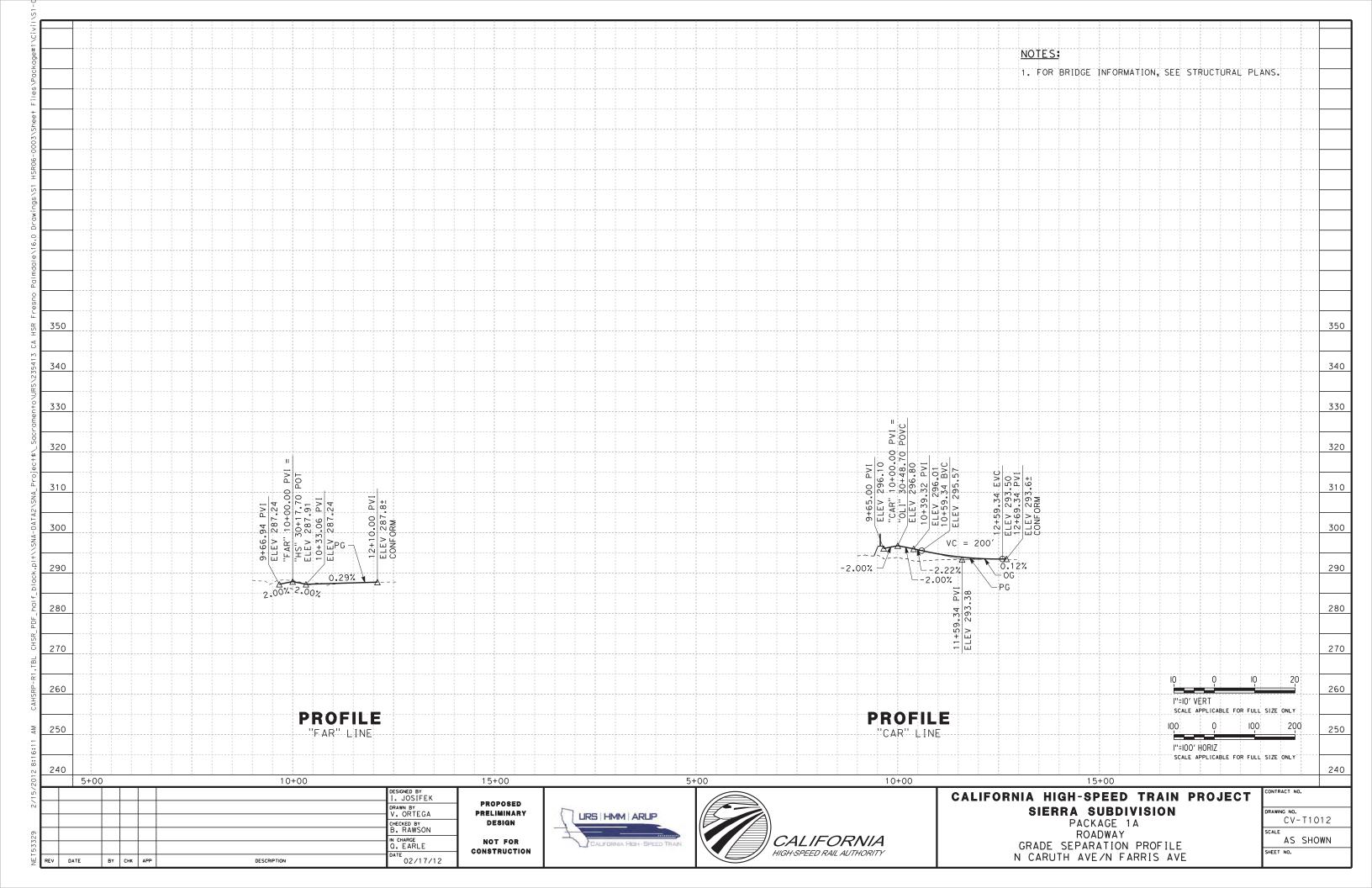


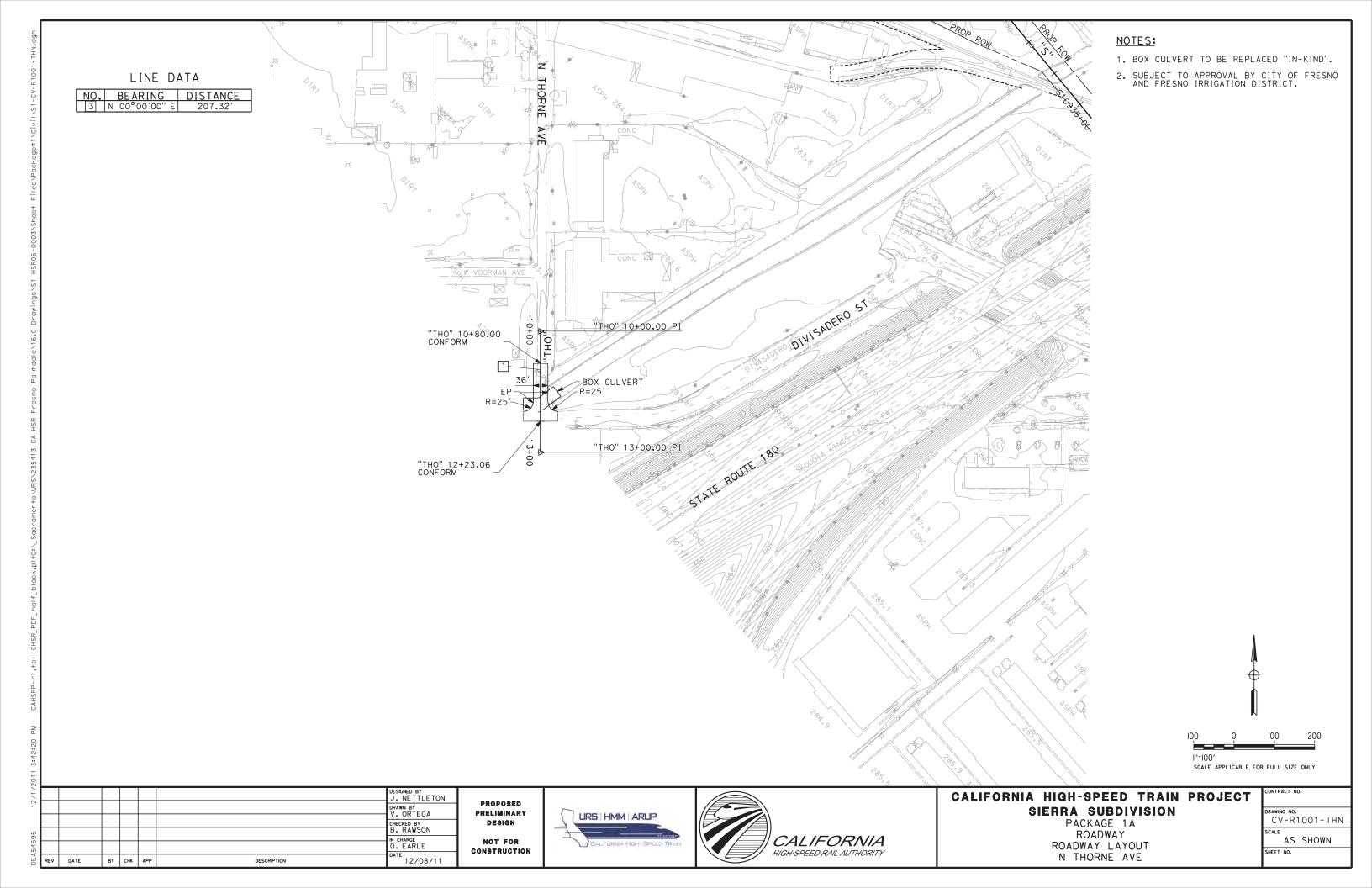


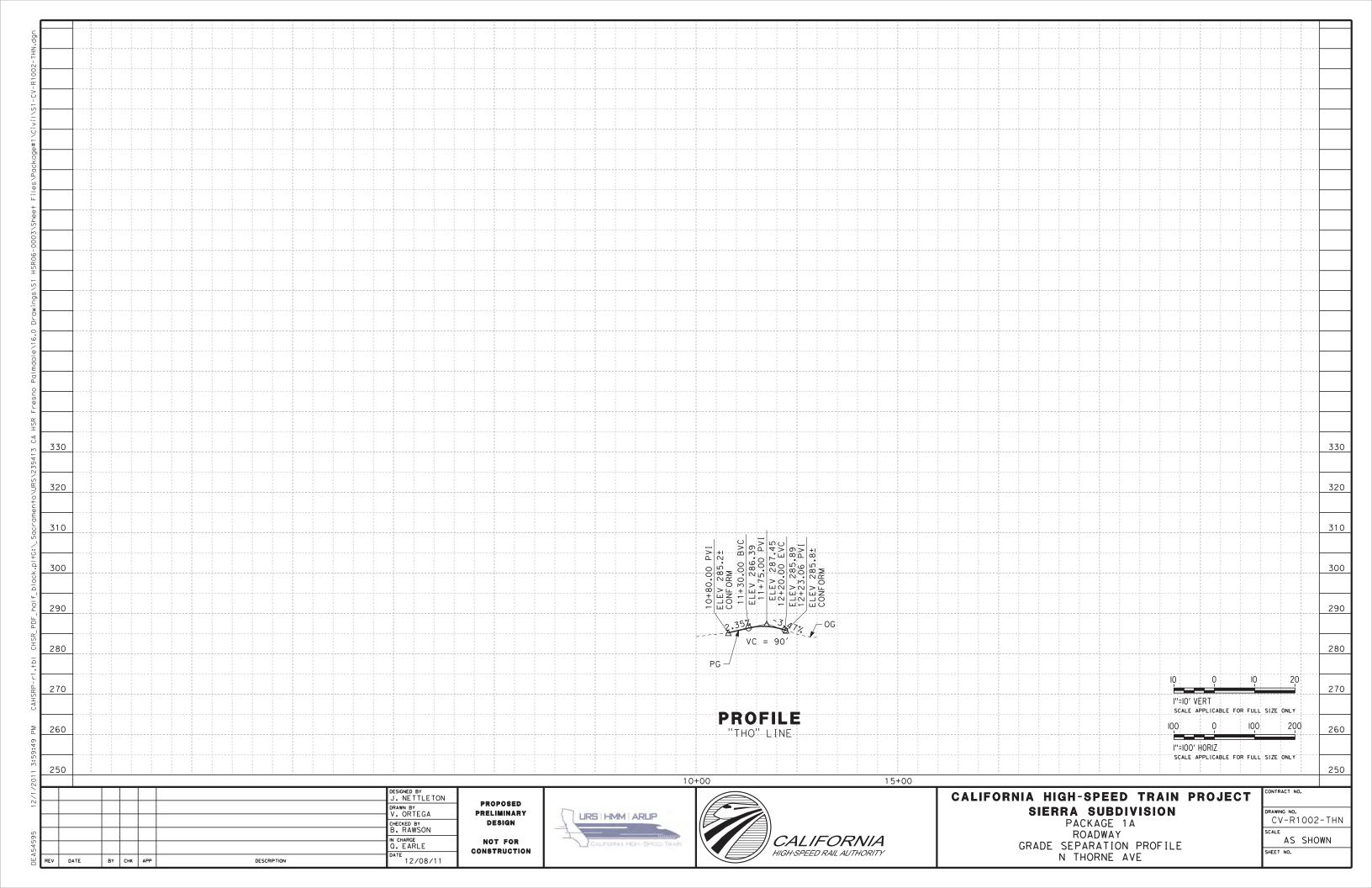












SEE "POC DETAIL"-ON THIS SHEET "MCK" 25+95.30 TO 28+15.30 CONC BARRIER (TYPE 60C) 11'-13' 11'-12' 11'-13' 7'-8' LANE LANE SHLD LANE LANE 6'-11' CONC BARRIER (TYPE 736A) 736A) (TYP) RET WAL - BARRIER CURB (TYP) VAR 0'-11' MEDIAN [2 SEE DRAWING CV-T5000-FOR DETAIL W MCKINLEY AVE "MCK" 18+23.08 TO 22+41.57 "MCK" 26+61.32 TO 28+13.80 VAR 10.5'-15' ACCESS ROAD RET WALL (TYP) "MCK" 28+13.80 TO 30+70.00 6′ SW CONC BARRIER (TYPE 60C) (TYP) "MCK" 16+75.00 TO 18+23.08 RET WALL (TYP) FL 8' 7' SW SHLD SEE DRAWING CV-T5000—FOR DETAIL

CONC BARRIER—
(TYPE 736A)
(TYP) CONC BARRIER (TYPE 736A) "MCK" 15+73.32 TO 16+75.00 RET WALL (TYP) RET WALL -VAR VAR VAR VAR VAR VAR 0-7' SHLD TURN LANE 0-7' SHLD LANE LANE LANE LANE -C&G (TYP)

#### NOTES:

- 1. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
- 2. PAVEMENT SECTIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

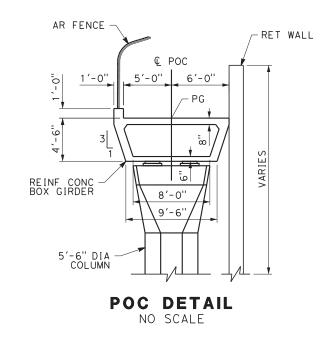
#### DESIGN SPEED TABLE

STREET NAME	ALIGNMENT DESIGNATION	DESIGN SPEED (MPH)
W MCKINLEY AVE	MCK	30
W OLIVE AVE	OLI	35
BELMONT AVE	BEL	30
MCKINLEY AVE CONNECTOR	MCC	30
N GOLDEN STATE BLVD	GSB	50
N WEBER AVE	WEB	40
N H ST	HS	35
N WESLEY AVE	WSL	<20
N WEST AVE	WES	30
N CARUTH AVE	CAR	30
N FARRIS AVE	FAR	30

#### STRUCTURAL SECTIONS TYPICAL ROADWAY

1-0.50' HMA (TYPE A) 1.50' CL2 AB

2-0.35' PCC 0.35' CL2 AB



\*PROVIDE E.B. RIGHT TURN LANE FROM STA 30+50.00 TO 31+39.23



20								
/15/							DESIGNED BY	
c)							DRAWN BY	PROPOSED Preliminary
o	H						CHECKED BY B. RAWSON	DESIGN
53329							IN CHARGE Q. EARLE	NOT FOR CONSTRUCTION
빌	REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/17/12	333.11001101

**PROPOSED** PRELIMINARY DESIGN NOT FOR

W MCKINLEY AVE

"MCK" 14+10.00 TO 18+23.08

"MCK" 28+13.80 TO 31+39.23 \*





"MCK" 15+73.32 TO 18+23.08

"MCK" 28+13.80 TO 31+39.23

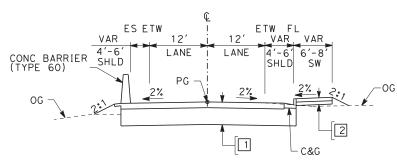
#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY ROADWAY / GRADE SEPARATION TYPICAL SECTIONS

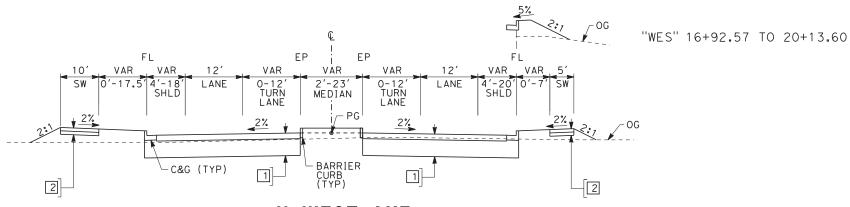
CONTRACT NO.
DRAWING NO.
CV-T3001
SCALE
AS SHOWN
SHEET NO.

1-0.50' HMA (TYPE A) 1.50' CL2 AB

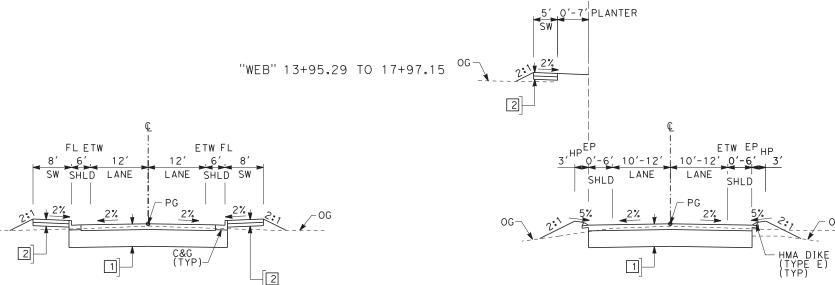
2-0.35' PCC 0.35' CL2 AB



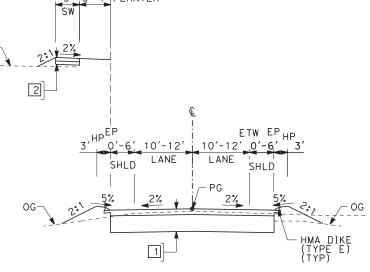
N GOLDEN STATE BLVD "GSB" 125+00.00 TO 167+16.56



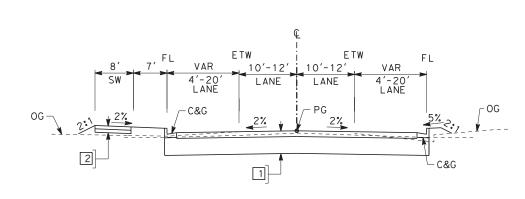
N WEST AVE "WES" 15+00.00 TO 20+13.60



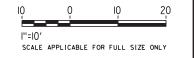
MCKINLEY AVE CONNECTOR "MCC" 9+29.46 TO 15+96.13



N WEBER AVE "WEB" 13+25.00 TO 18+75.00



N WEBER AVE "WEB" 21+07.03 TO 23+50.54



						DESIGNED BY I. JOSIFEK	
						DRAWN BY V. ORTEGA	PROPOSED Preliminary
$\vdash$						CHECKED BY B. RAWSON	DESIGN
$\vdash$						IN CHARGE Q. EARLE	NOT FOR CONSTRUCTION
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	02/17/12	





### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY ROADWAY / GRADE SEPARATION TYPICAL SECTIONS

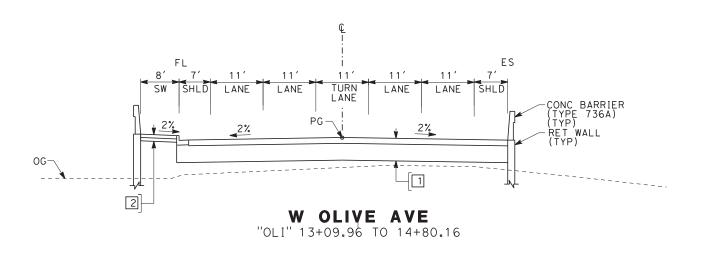
CONTR	ACT NO	) <b>.</b>	
DRAWIN		- T3002	
SCALE	AS	SHOWN	

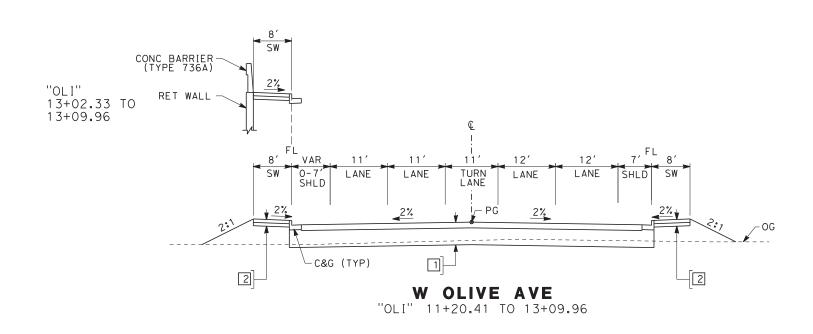
SHEET NO.

STRUCTURAL SECTIONS
TYPICAL ROADWAY

1-0.50' HMA (TYPE A) 1.50' CL2 AB

2-0.35' PCC 0.35' CL2 AB







15/							DESIGNED BY	
2/							DRAWN BY V. ORTEGA	1
6							CHECKED BY B. RAWSON	
53329							IN CHARGE Q. EARLE	c
NET	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/17/12	

PROPOSED
PRELIMINARY
DESIGN
NOT FOR
CONSTRUCTION





### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

SIERRA SUBDIVISION

PACKAGE 1A

ROADWAY

ROADWAY / GRADE SEPARATION

TYPICAL SECTIONS

CONTR	ACT NO	) <b>.</b>	
DRAWIN		-T3003	
SCALE	AS	SHOWN	
			_

CONSTRUCTION

02/17/12

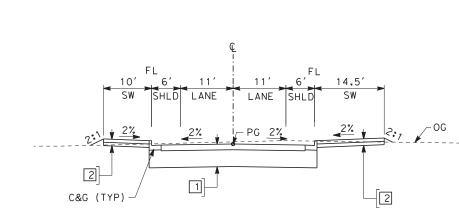
BY CHK APP

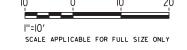
DESCRIPTION

STRUCTURAL SECTIONS TYPICAL ROADWAY

1-0.50' HMA (TYPE A) 1.50' CL2 AB

2-0.35' PCC 0.35' CL2 AB





ROADWAY / GRADE SEPARATION TYPICAL SECTIONS

CV-T3004 AS SHOWN SHEET NO.

02/17/12

BY CHK APP

DESCRIPTION

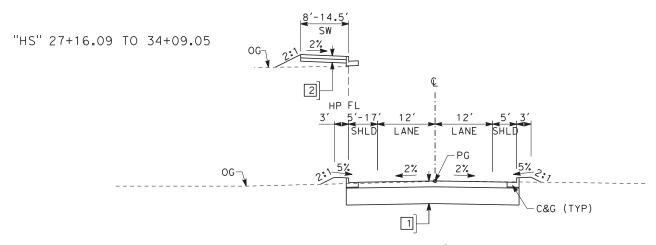
HIGH-SPEED RAIL AUTHORITY

SHEET NO.

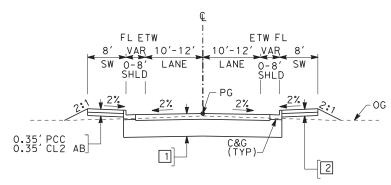
TYPICAL SECTIONS

1-0.50' HMA (TYPE A) 1.50' CL2 AB

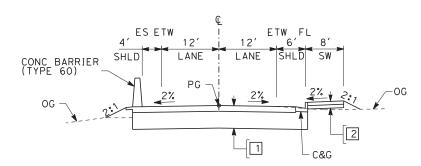
2-0.35' PCC 0.35' CL2 AB



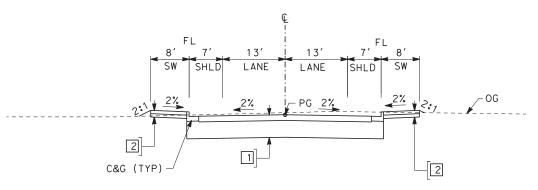
H ST "HS" 21+19.44 TO 34+09.05



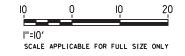
N THORNE AVE "THO" 10+00.00 TO 12+23.06



N WESLEY AVE "WSL" 10+00.00 TO 14+69.32



N FARRIS AVE "FAR" 10+00.00 TO 11+60.23



N							
/15/						DESIGNED BY	
κì						DRAWN BY	PROPOSED Preliminary
~						CHECKED BY B. RAWSON	DESIGN
53329						IN CHARGE O. EARLE	NOT FOR CONSTRUCTION
빌	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/17/12	CONSTRUCTION

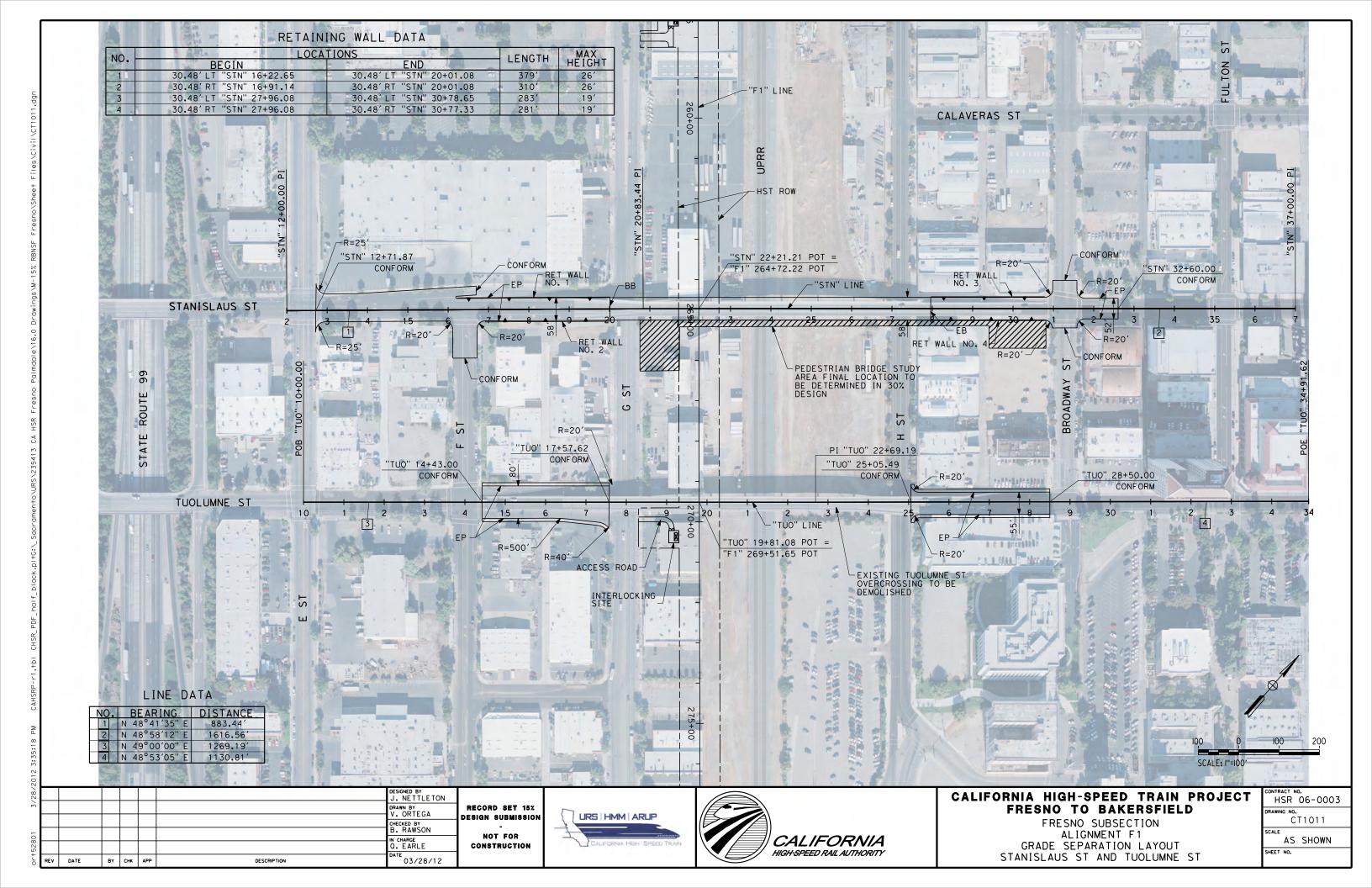


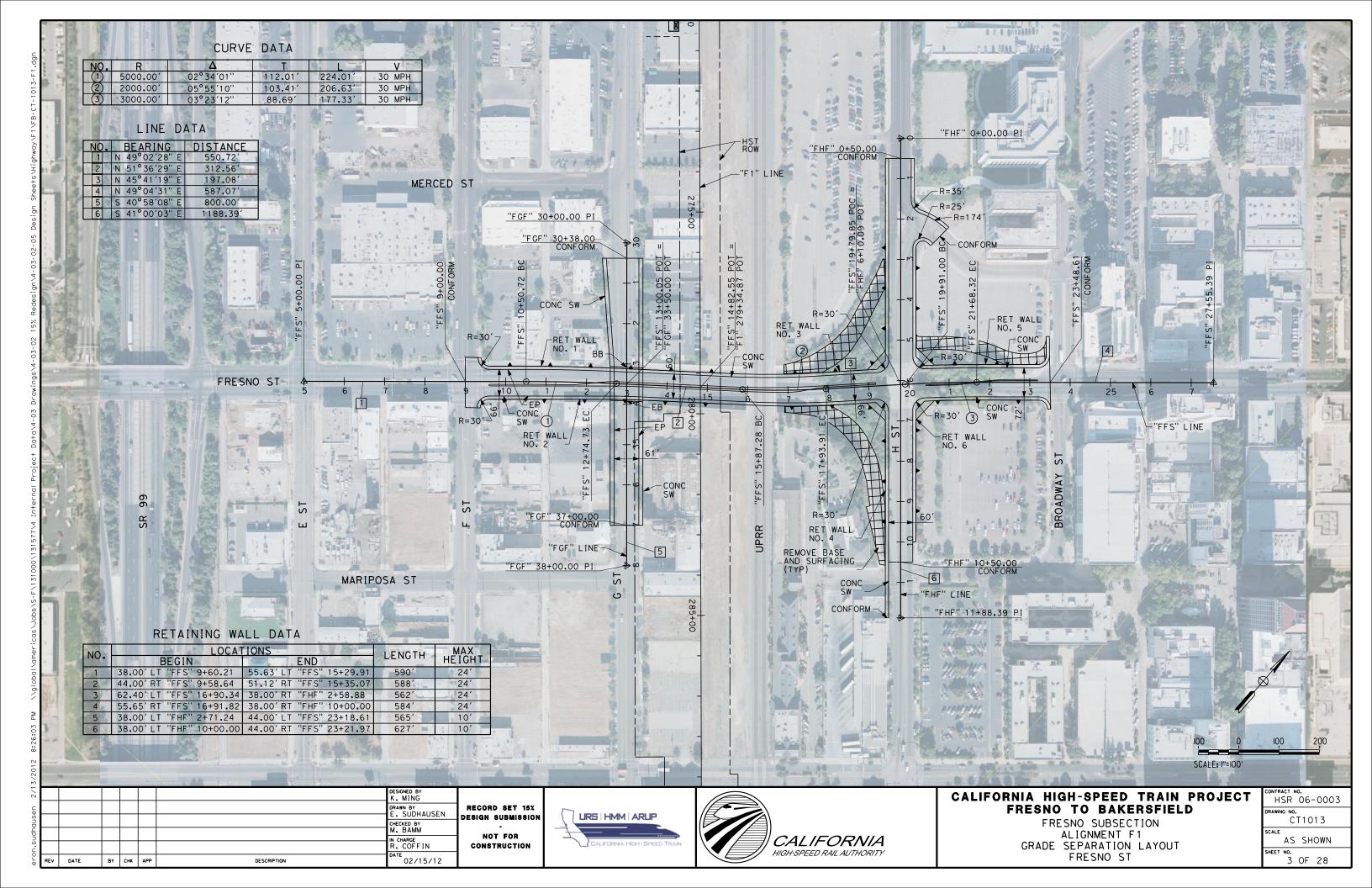


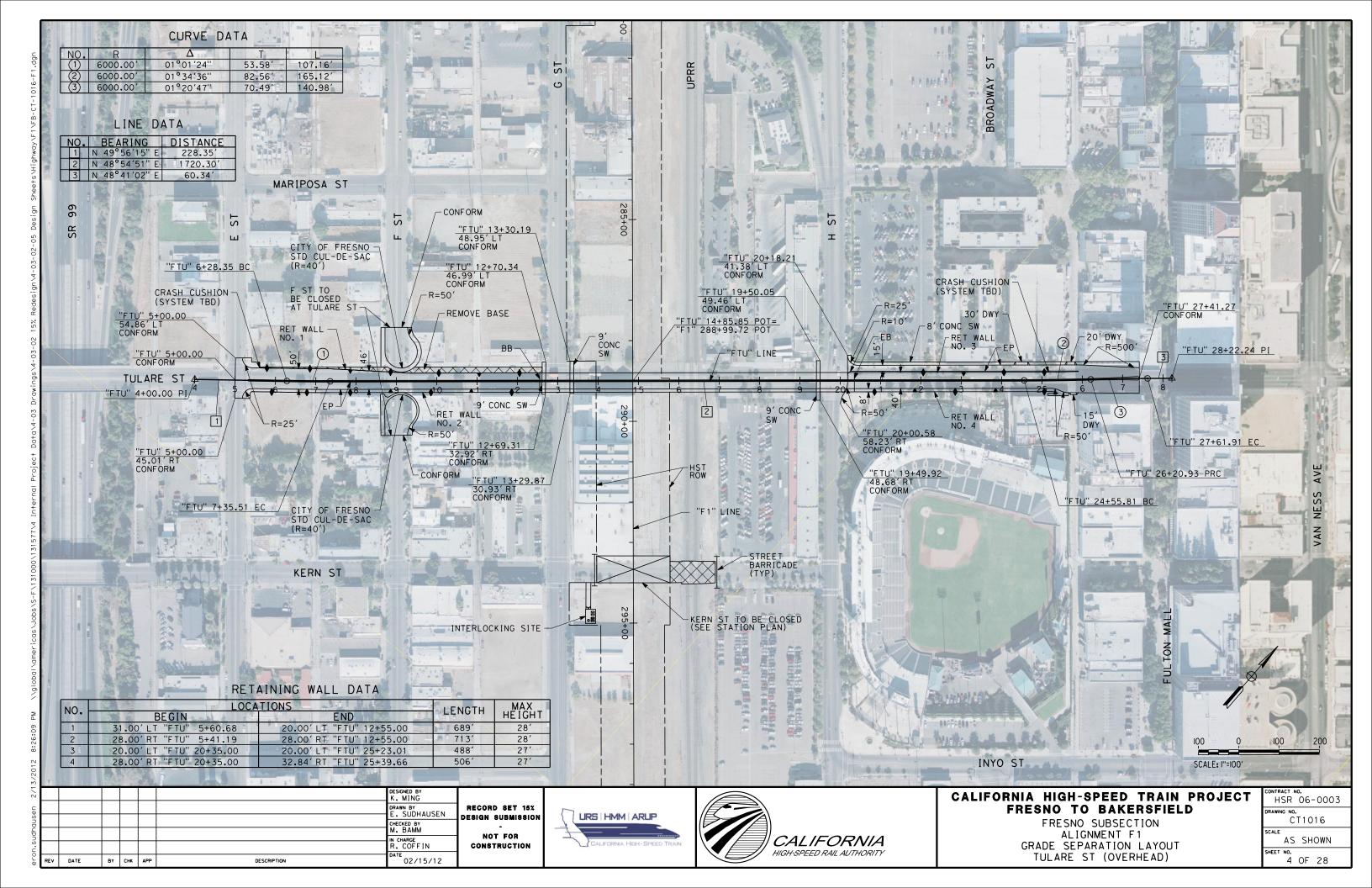
### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

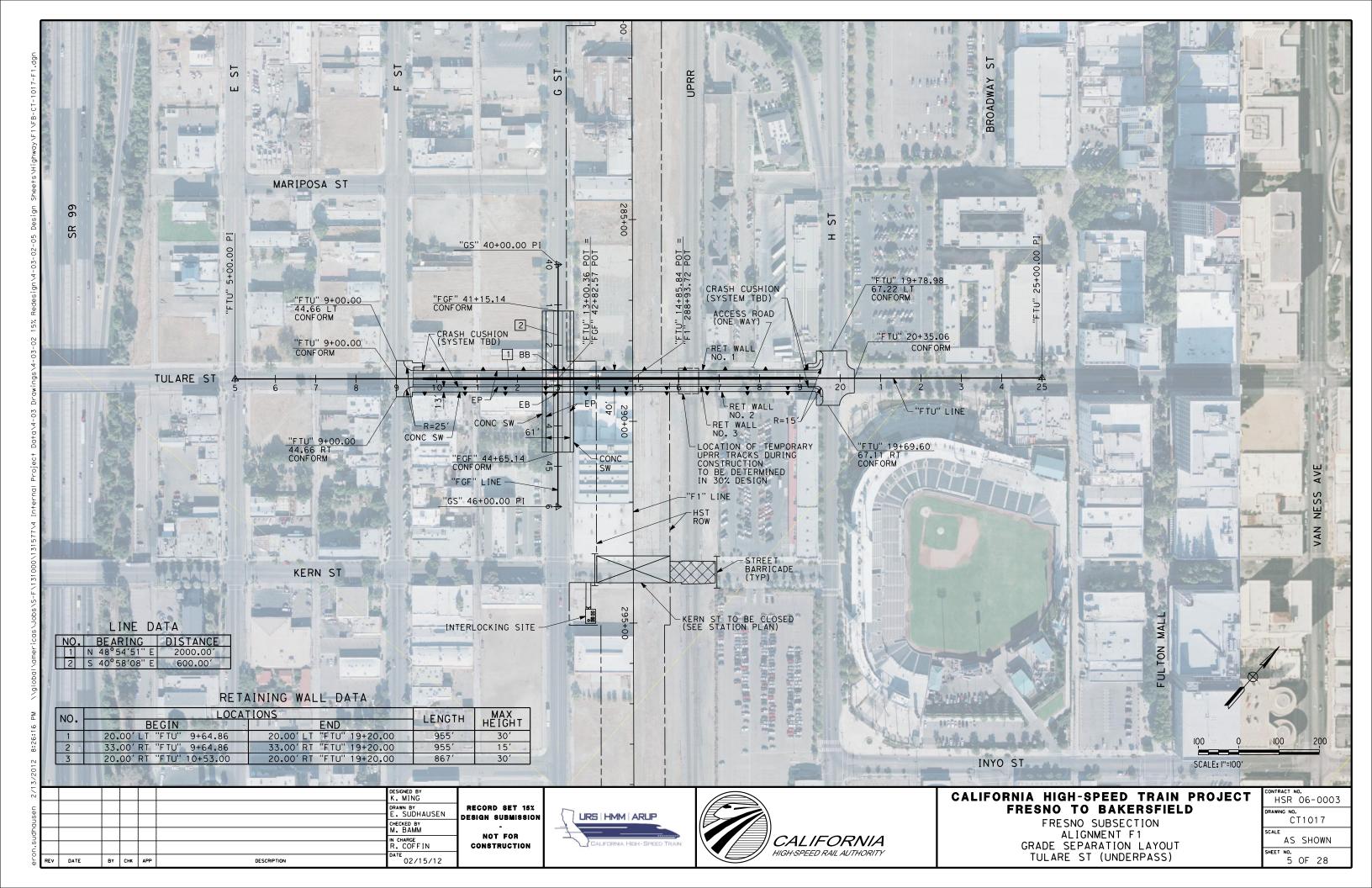
PACKAGE 1A ROADWAY ROADWAY / GRADE SEPARATION TYPICAL SECTIONS

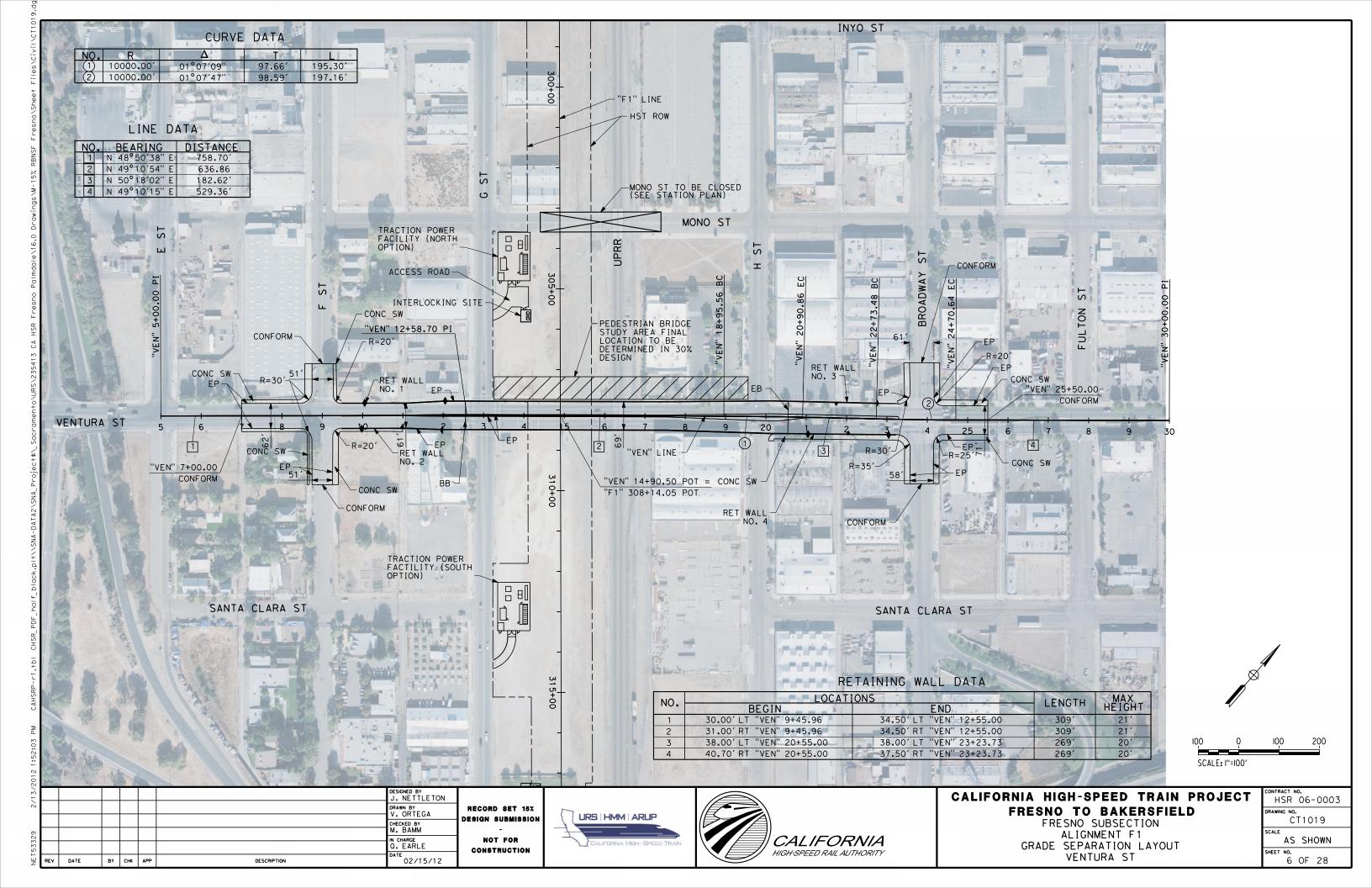
CONTR	ACT NO	٥.	Τ					
ı								
DRAWIN	DRAWING NO.							
ı	CV-T3006							
ı	CV-13006							
SCALE			_					
	A C	SHOWN						
ı	AS	2HOMIA						
SHEET	NO		_					
JE.E.								

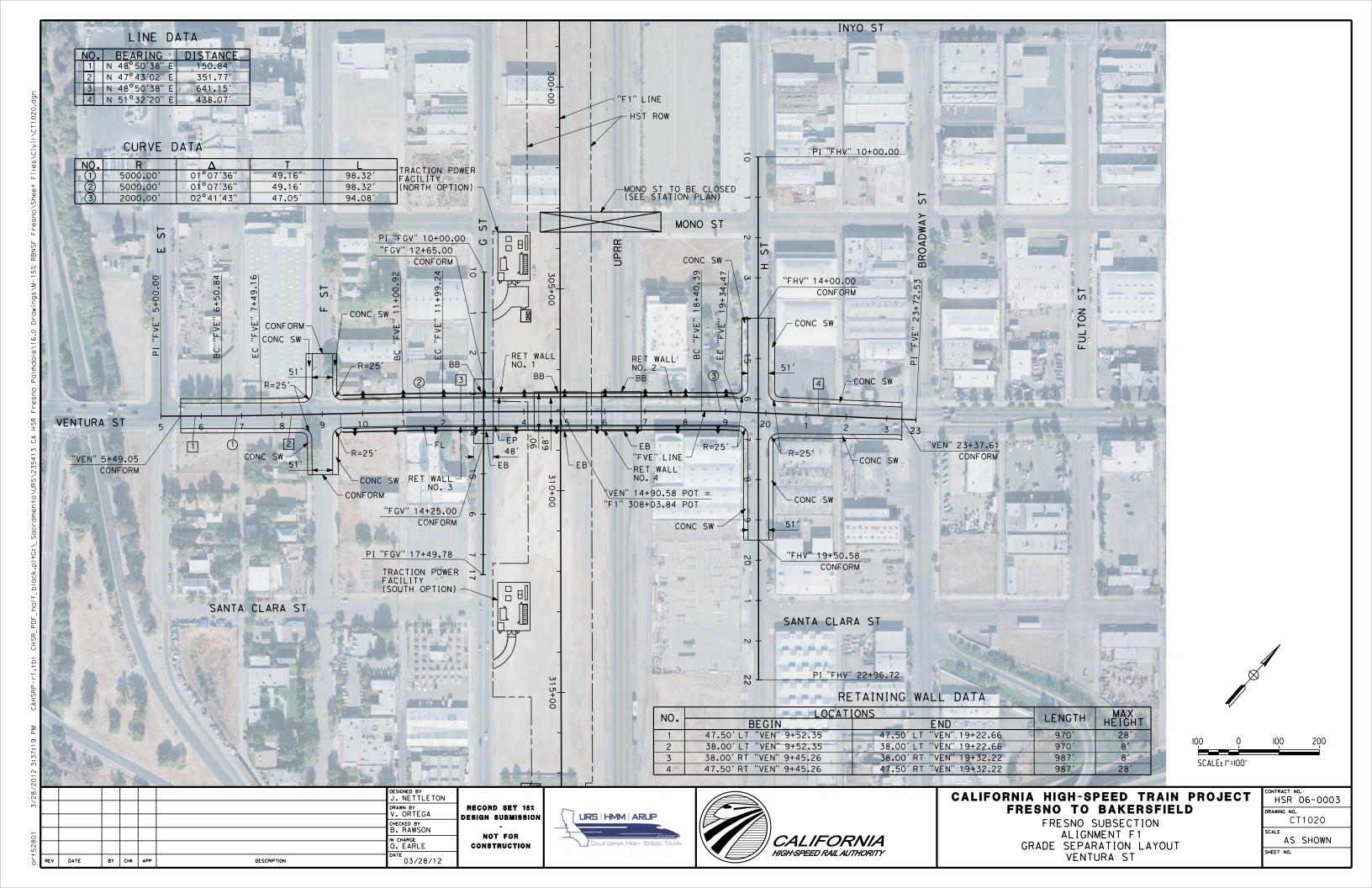


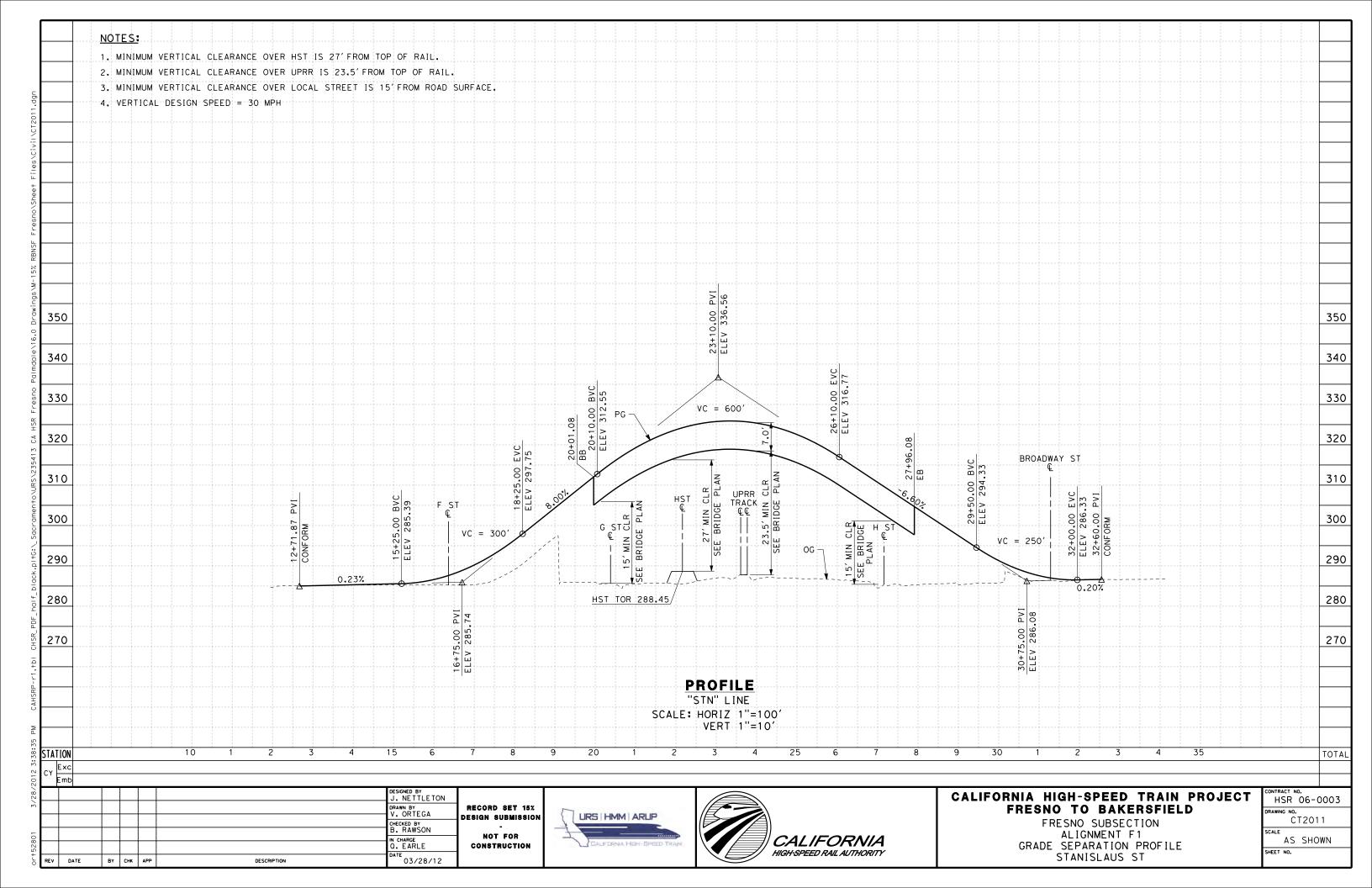


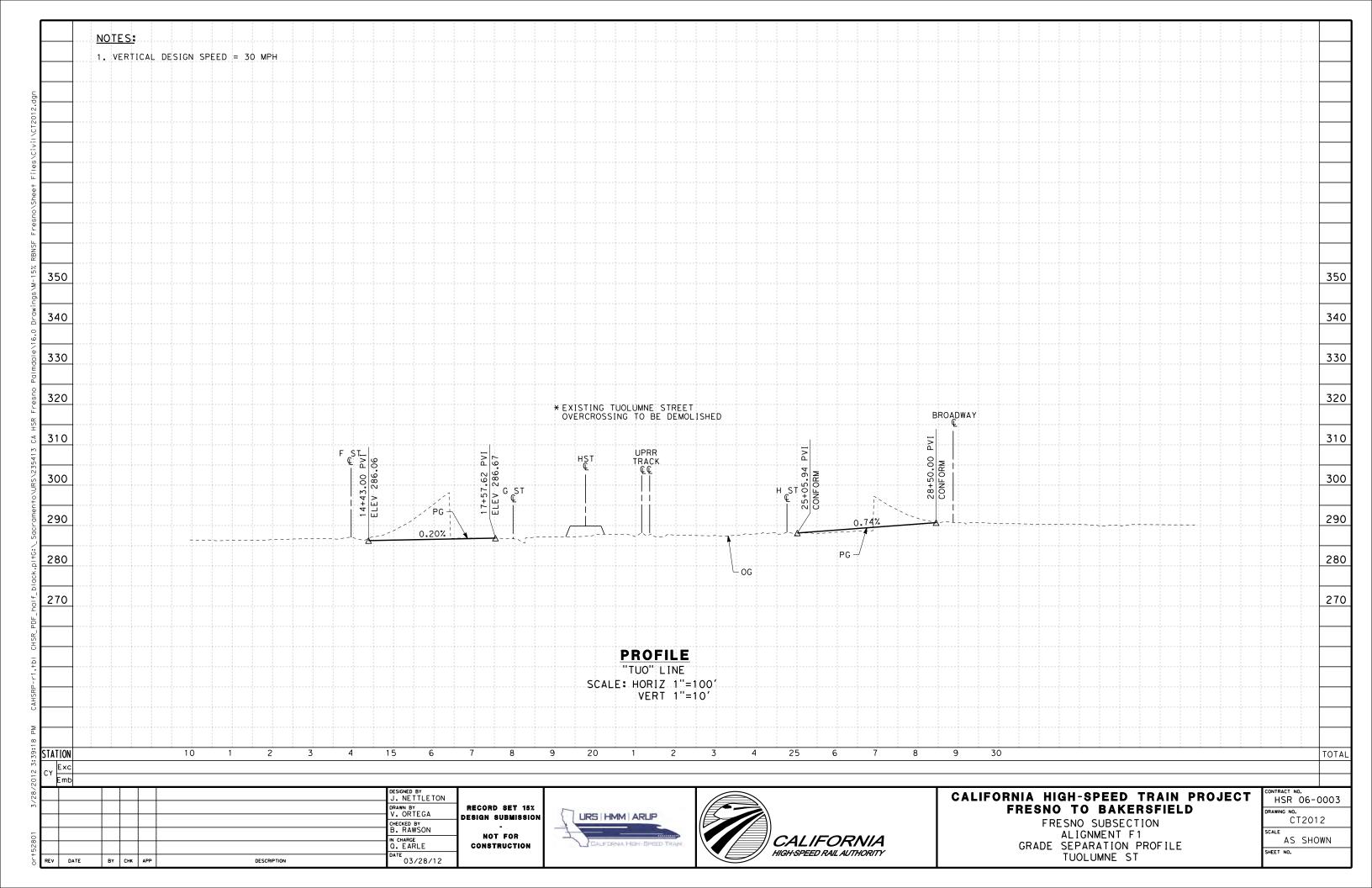


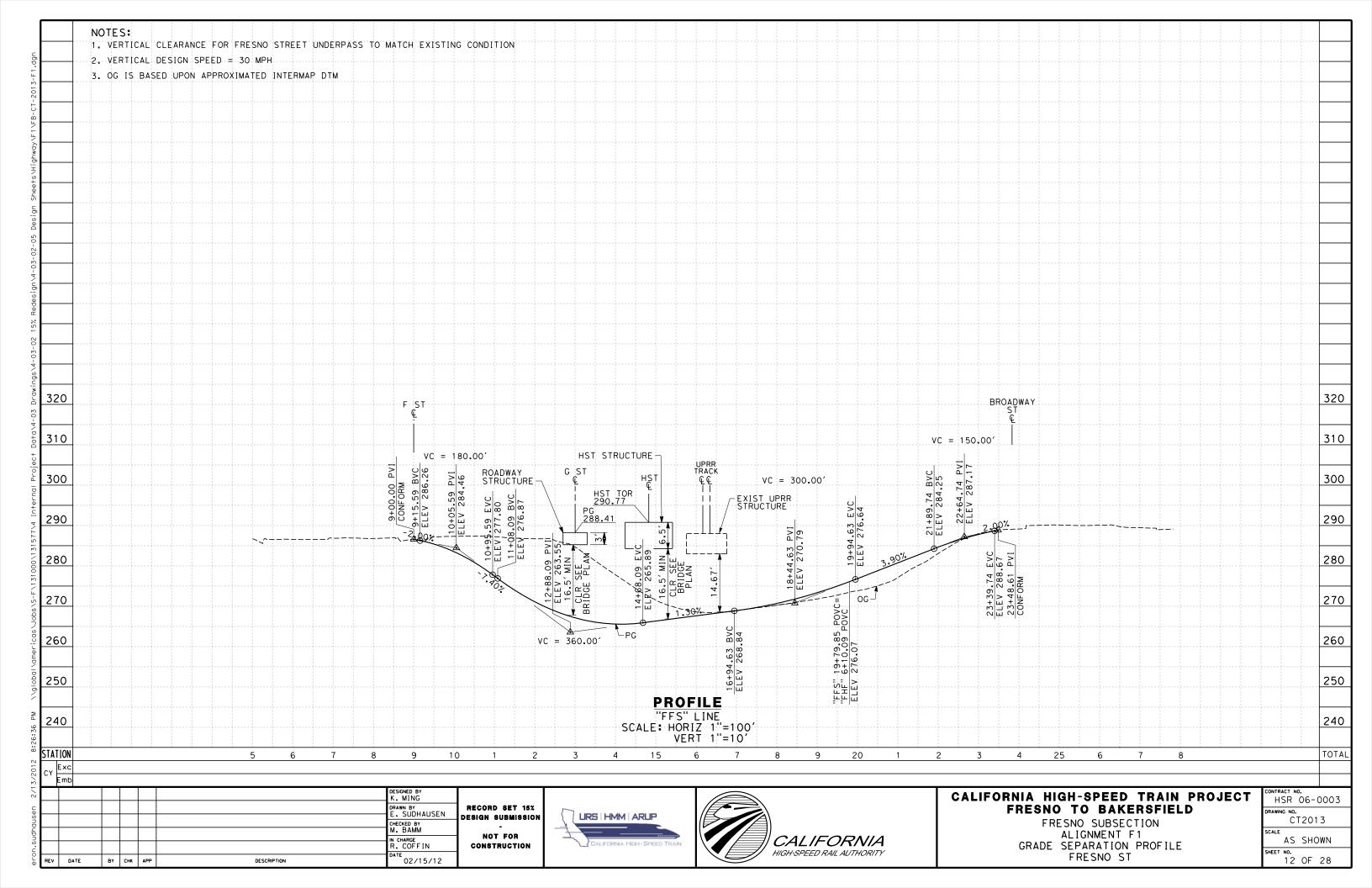


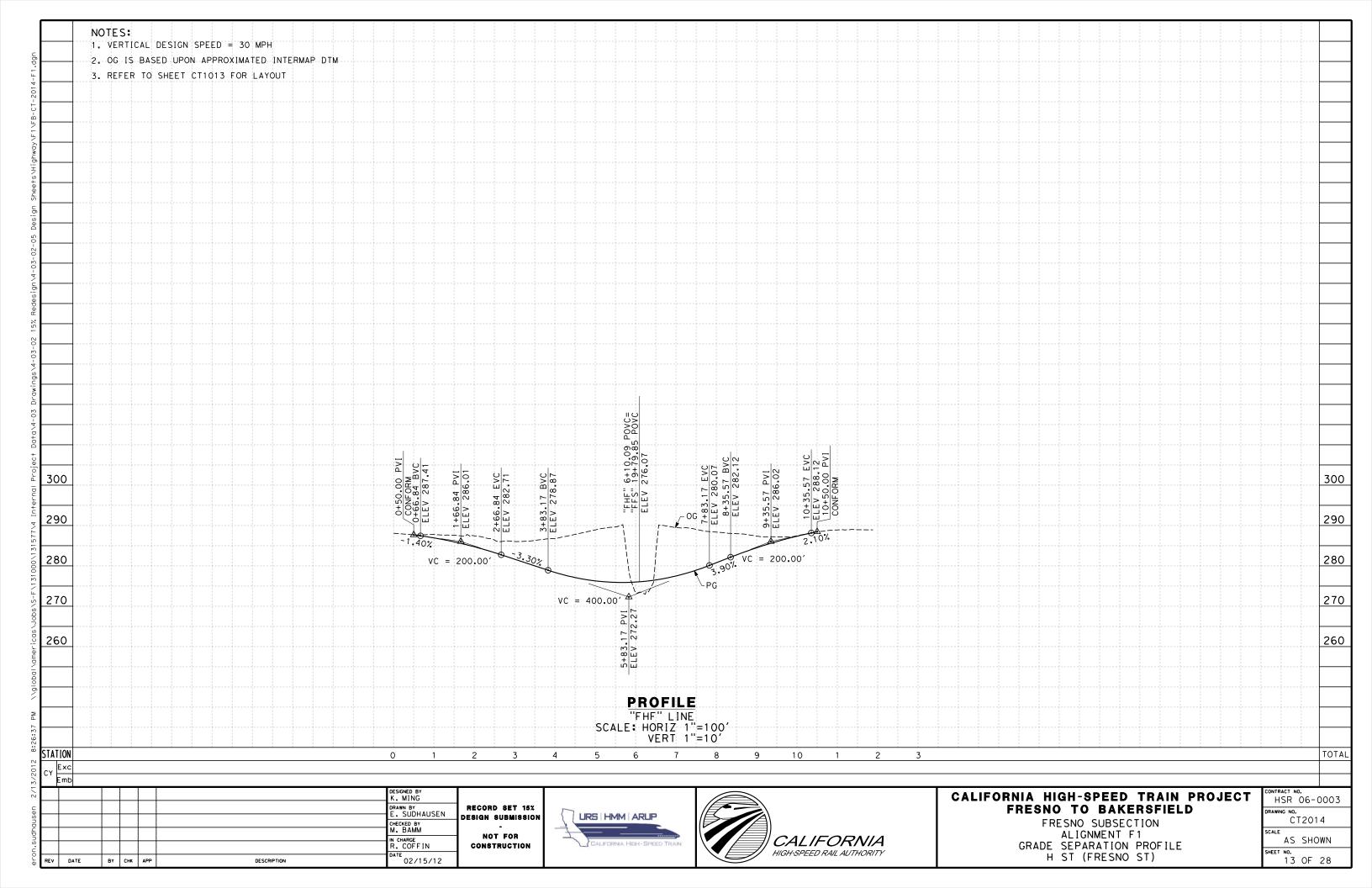


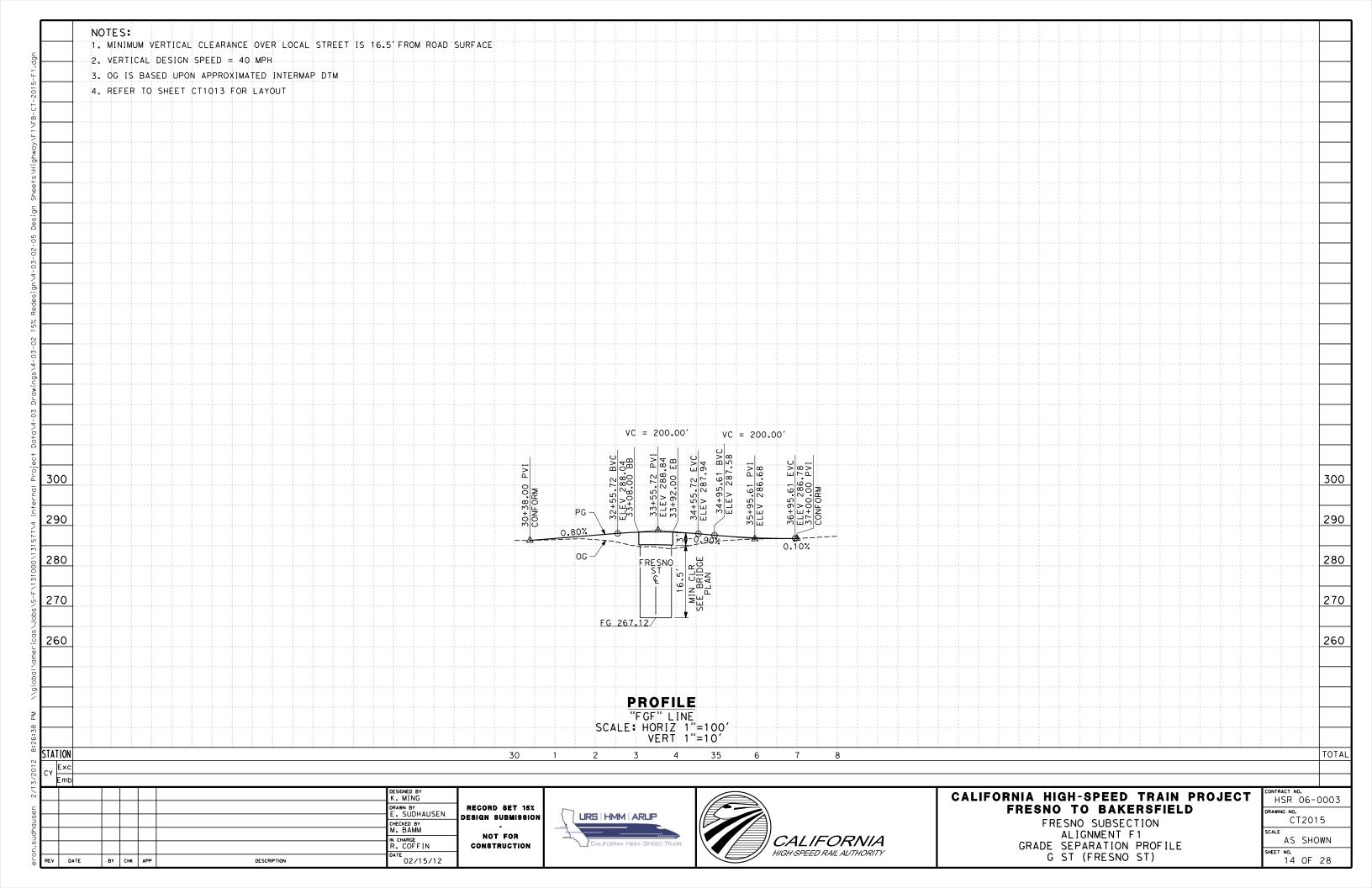


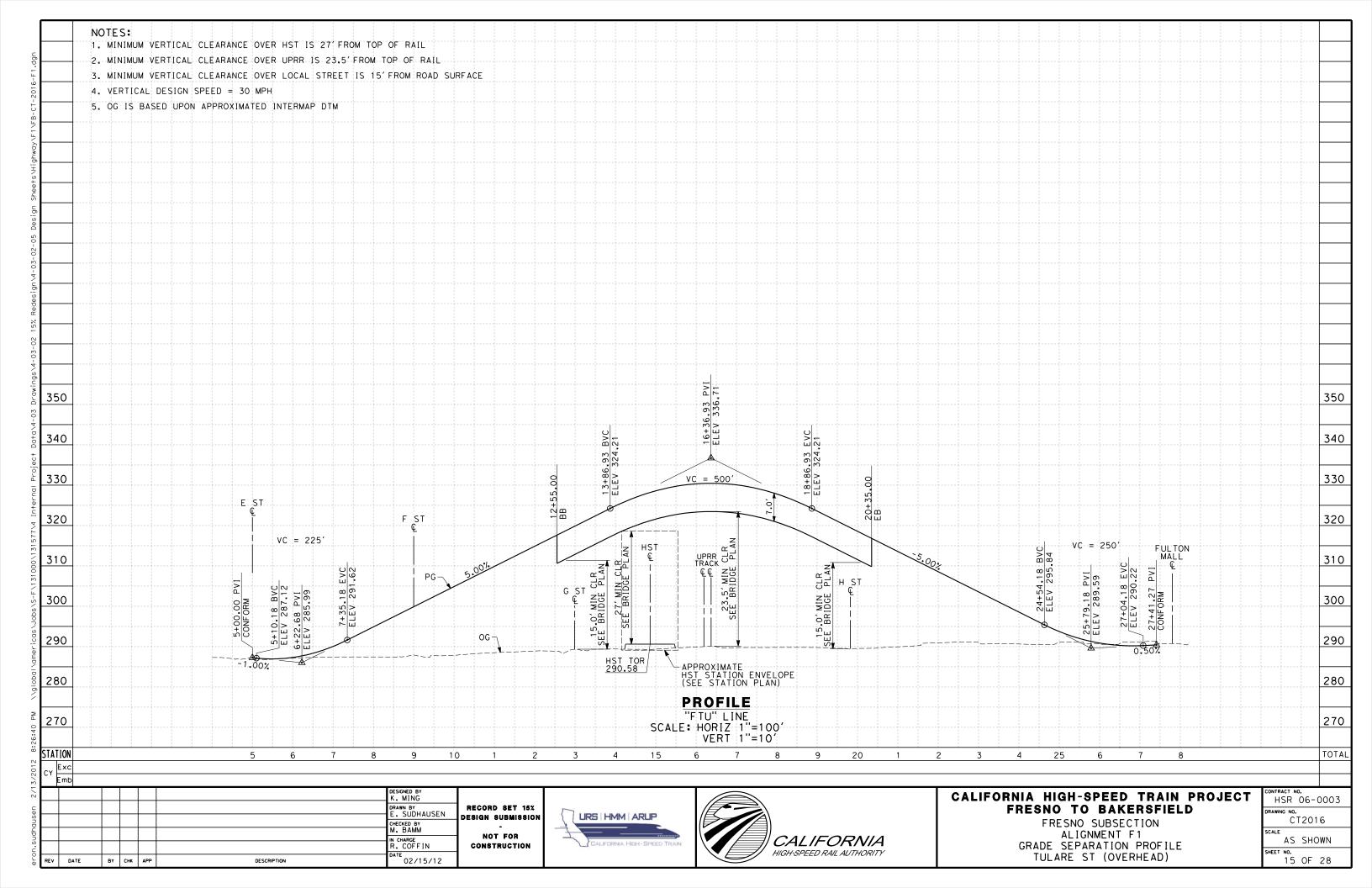


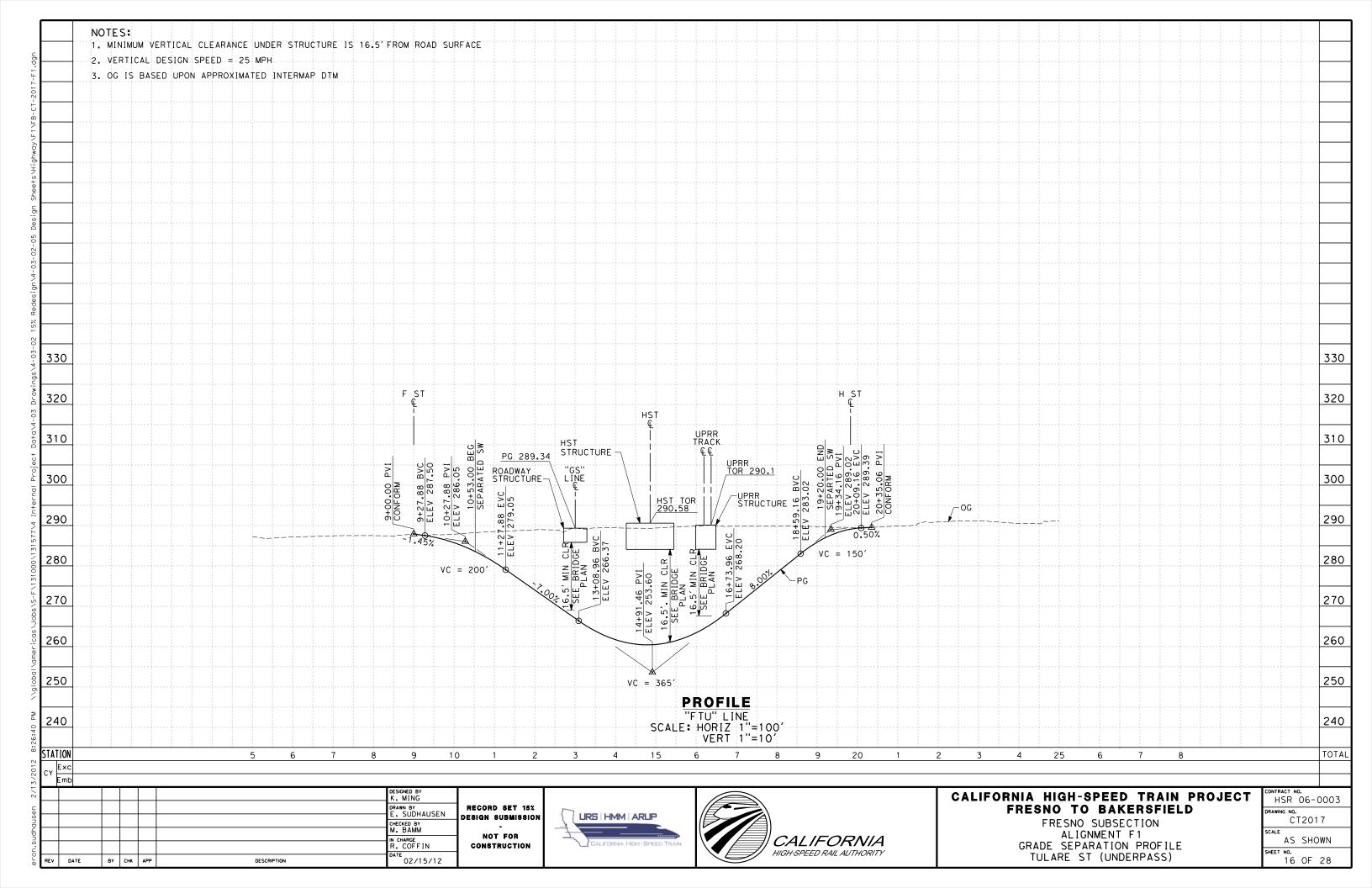


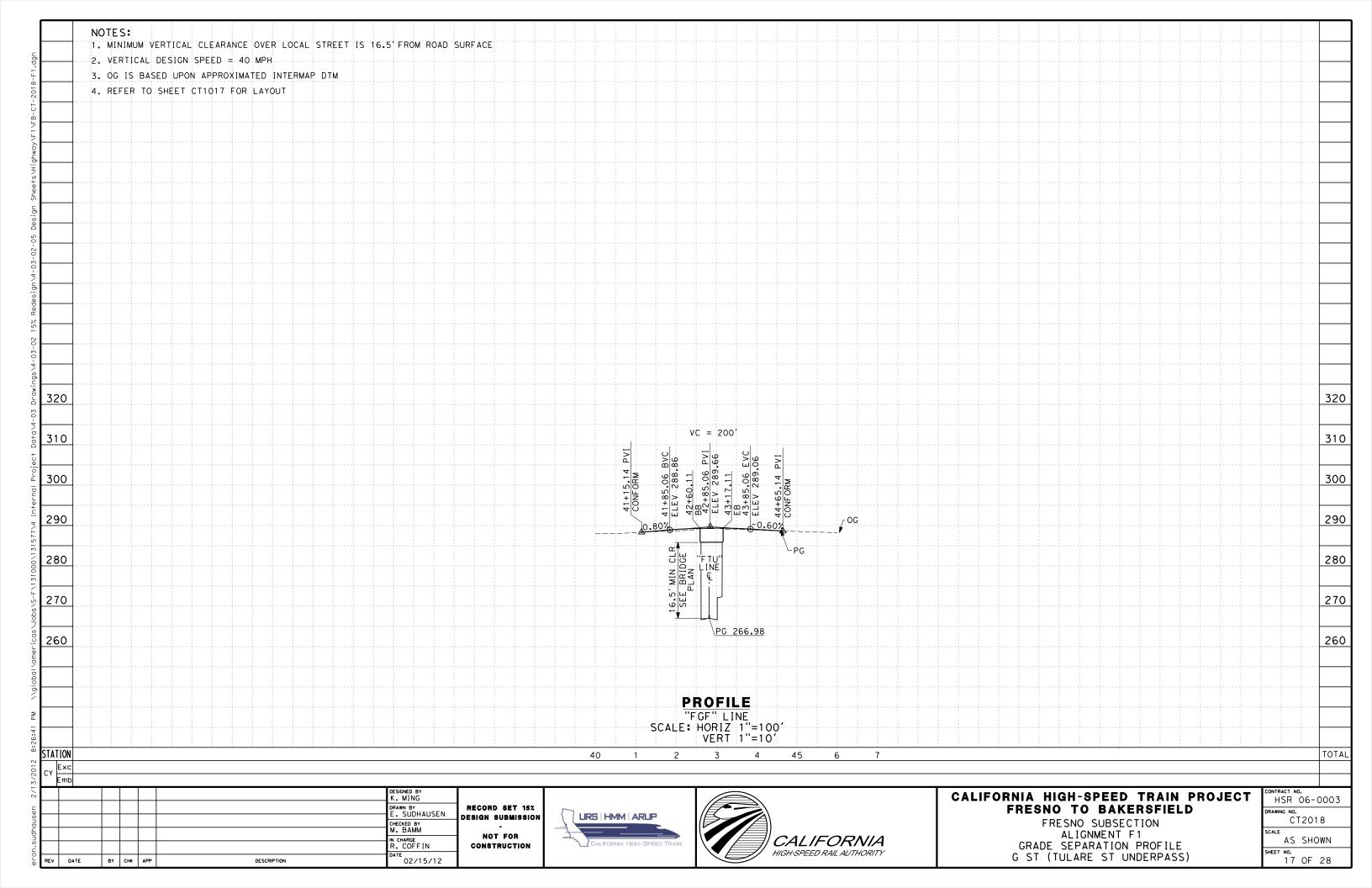


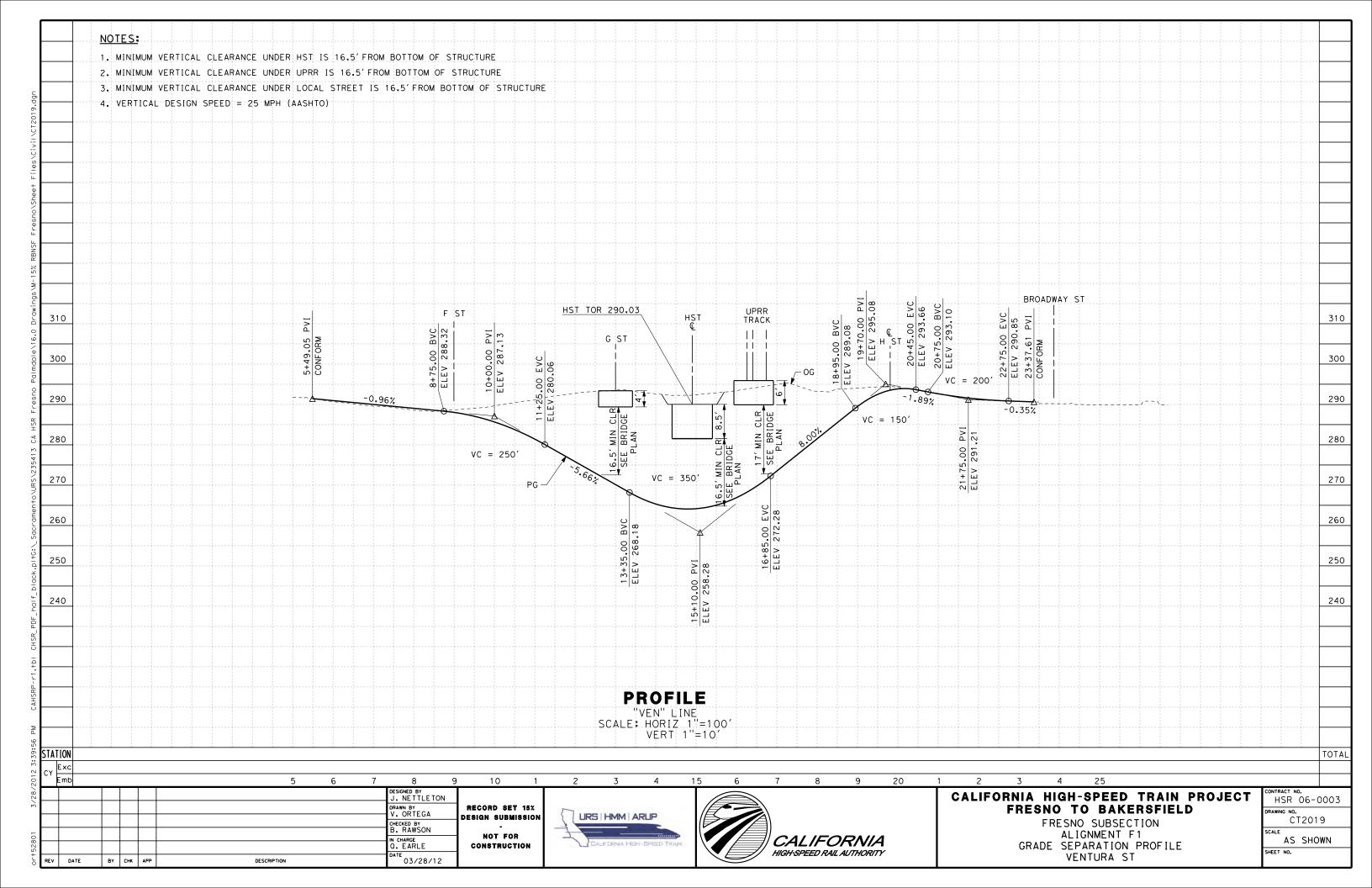


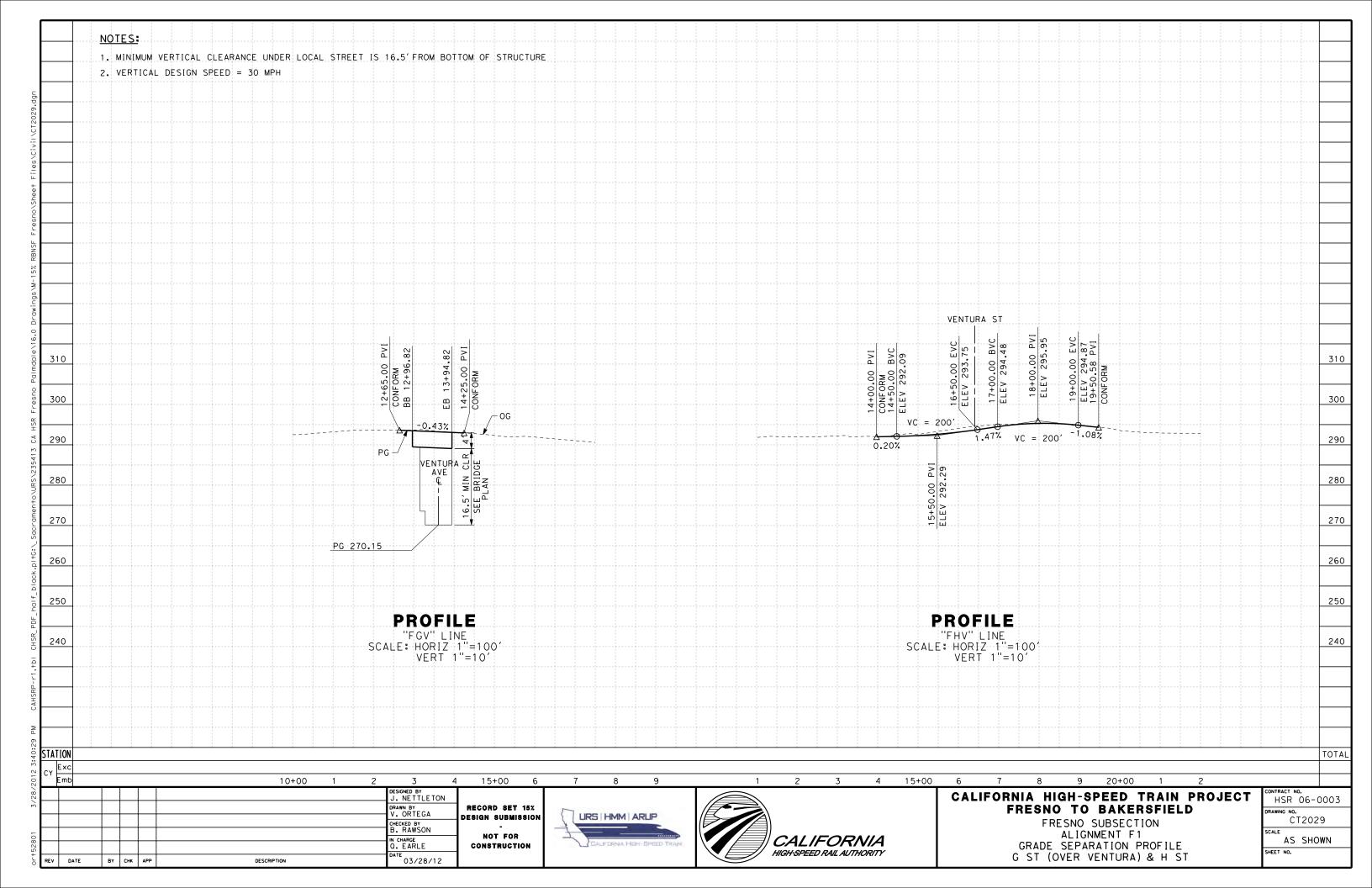




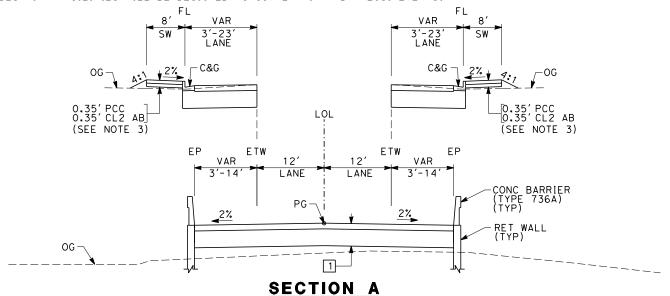




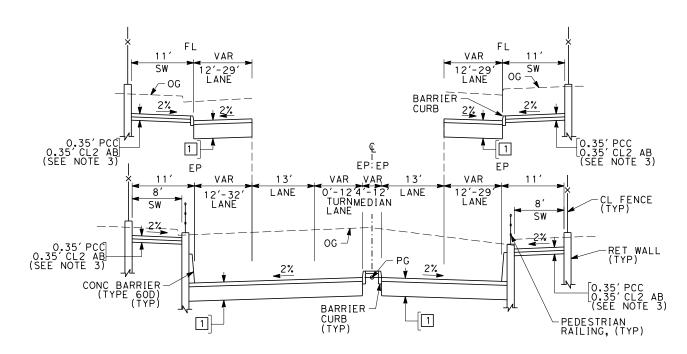




3. PEDESTRIAN FACILITIES WILL BE DESIGNED TO COMPLY WITH ADA REQUIREMENTS.



"STN" 14+70.00 TO 20+01.08 "STN" 27+96.08 TO 32+60.00 "TUO" 12+60.00 TO 17+54.63 "TUO" 25+14.96 TO 30+00.00

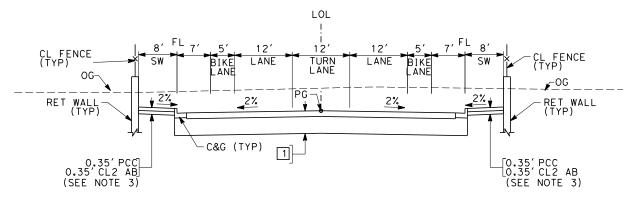


#### SECTION B

"FFS" 9+00.00 TO 23+48.61

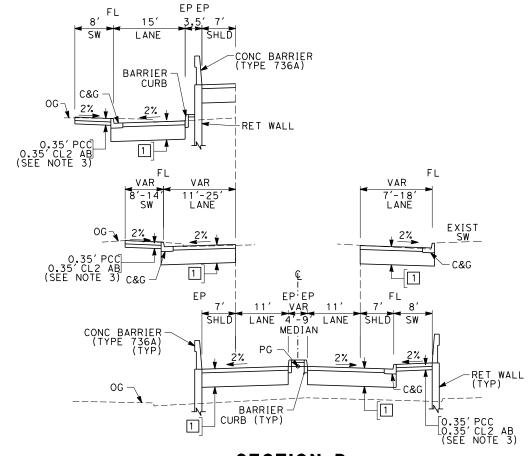
#### STRUCTURAL SECTIONS TYPICAL ROADWAY

1-[0.50' HMA (TYPE A) 1.50' CL2 AB



#### SECTION C

"FHF" 0+50.00 TO 10+50.00



#### SECTION D

"FTU" 5+00.00 TO 12+55.00 (OVERHEAD OPTION) "FTU" 20+35.00 TO 27+41.27 (OVERHEAD OPTION)

ron.sudhausen 2/14	REV	DATE	BY	СНК	APP	DESCRIPTION	DESIGNED BY J. MONG DRAWN BY E. SUDHAUSEN CHECKED BY M. BAMM IN CHARGE R. COFFIN  DATE 2/15/12	RECORD SET 15% DESIGN SUBMISSION OF FOR CONSTRUCTION
ē	REV	DATE	ים	CHK	APP	DESCRIPTION	02/15/12	

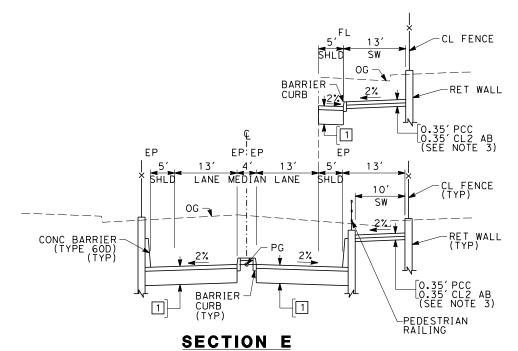




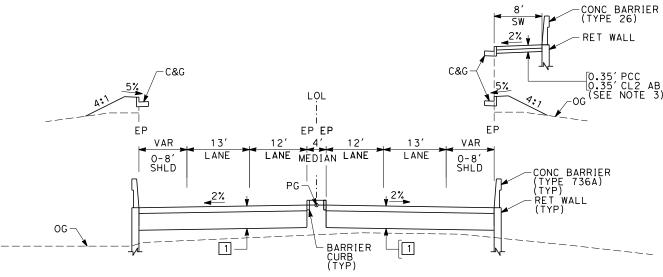
#### CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTRA HS			0003
DRAWIN	G NO.		
	C.	T300	01
SCALE			
	NO	SCA	ALE.
SHEET	NO.		
	26	OF	28



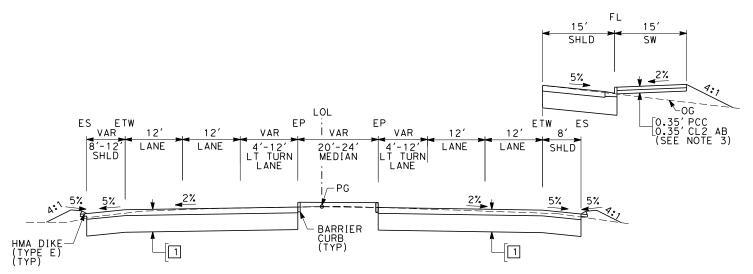


"FTU" 9+00.00 TO 20+35.06 (UNDERPASS OPTION)



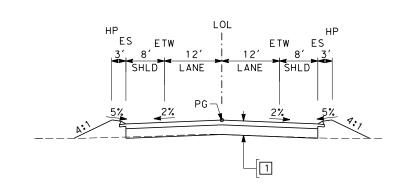
#### SECTION F

"VEN" 7+00.00 TO 12+55.00
"VEN" 20+55.00 TO 25+50.00
"FCH" 12+93.39 TO 20+89.37
"FCH" 30+49.37 TO 38+00.00



#### SECTION G

"SGS" 12+00.00 TO 20+00.00



#### SECTION H

"FOC" 104+21.11 TO 106+94.71
"FOC" 107+95.45 TO 117+13.51
"FCE" 20+00.00 TO 24+06.53
"FCE" 44+00.00 TO 46+00.00
"FCD" 119+00.00 TO 129+00.00

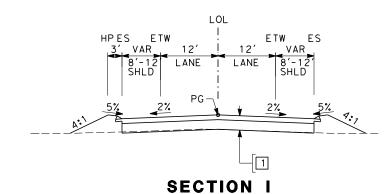
·							DESIGNED BY J. MONG	
							DRAWN BY E. SUDHAUSEN	RECORD SET 15% Design Submission
							CHECKED BY M. BAMM	-
).su							IN CHARGE R. COFFIN	NOT FOR CONSTRUCTION
) i	REV	DATE	BY	СНК	APP	DESCRIPTION	02/15/12	



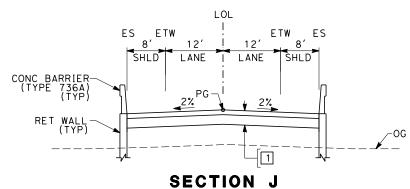


### CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

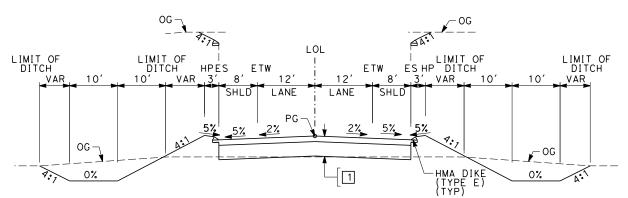
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CT3002
*
SCALE
NO SCALE
SHEET NO.
27 OF 28



"FGC" 101+50.00 TO 106+87.24

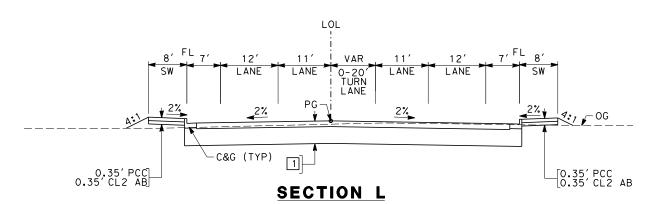


"FCE" 24+06.53 TO 31+87.10
"FCE" 37+97.10 TO 44+00.00



#### SECTION K

"FAM" 11+00.00 TO 23+91.66 "FAM" 27+71.66 TO 40+48.59



"FGF" 30+38.00 TO 33+08.00 "FGF" 33+92.00 TO 37+00.00 "FGF" 41+15.14 TO 42+60.11 "FGF" 43+17.11 TO 44+65.14

						DESIGNED BY J. MONG	
						DRAWN BY E. SUDHAUSEN	RE DESI
						CHECKED BY	DESI
						IN CHARGE R. COFFIN	] c
REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 02/15/12	

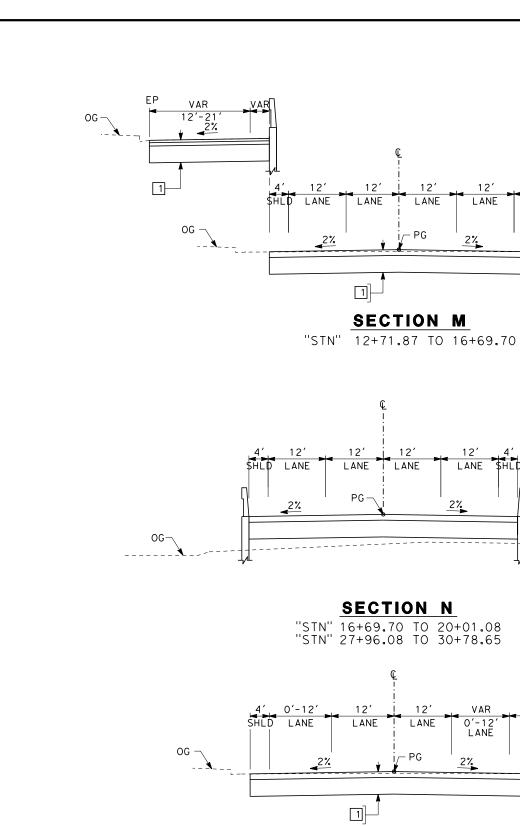
ECORD SET 15%
SIGN SUBMISSION
NOT FOR
CONSTRUCTION

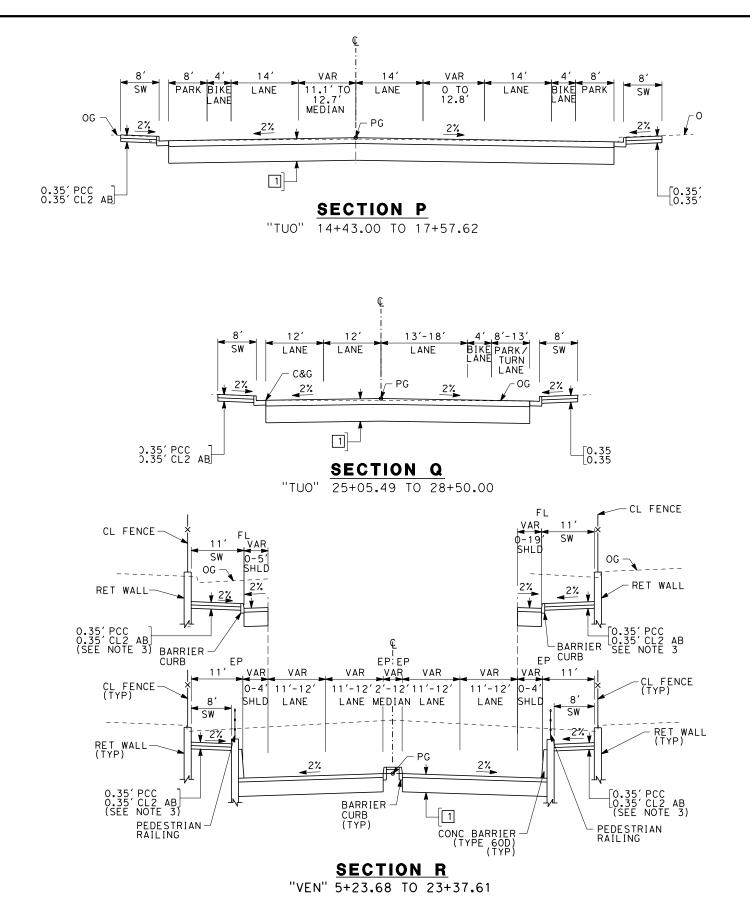




### CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD

CONTRACT NO.									
HSF	7	06-	0003	,					
DRAWING	NO.								
	C1	300	)3						
SCALE									
N	0	SCA	4LE						
SHEET NO	٠.								
2	8	OF	28						

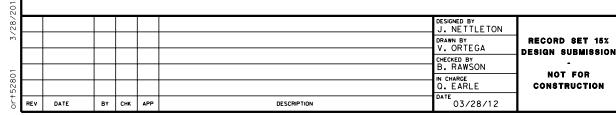






"STN" 30+78.65 TO 32+60.00

SHLD

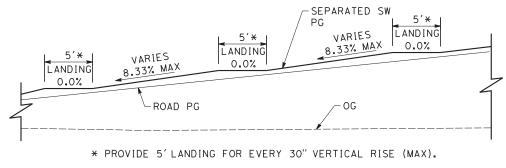


LIRS | HMM | ARLIP

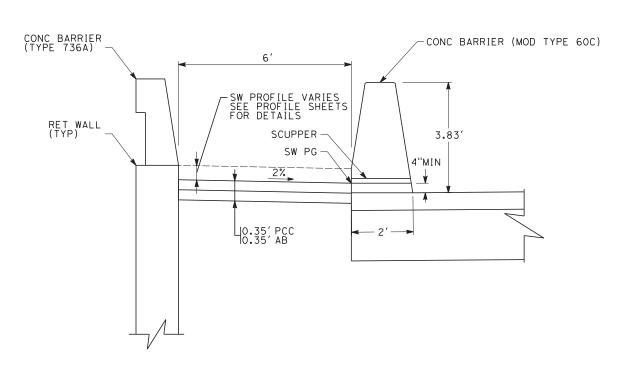


# CALIFORNIA HIGH-SPEED TRAIN PROJECT HSR (DRAWING NO.

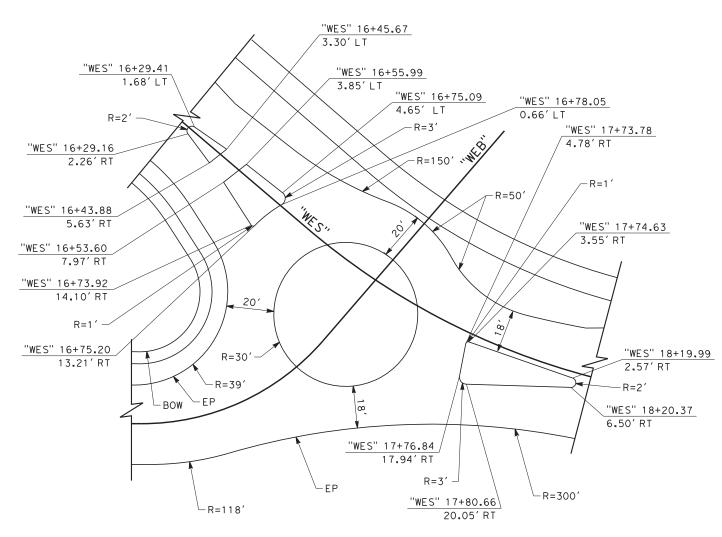
HSR 06-0003
DRAWING NO.
CT3004
SCALE
AS SHOWN
SHEET NO.



#### SEPARATED SIDEWALK PROFILE DETAIL SCALE: NO SCALE



#### SEPARATED SIDEWALK SECTION DETAIL SCALE: NO SCALE



#### N WEST AVE TRAFFIC CIRCLE SCALE: 1"=20'-0"

201								
2/1/							DESIGNED BY J. NETTLETON	
-							DRAWN BY V. ORTEGA	PROPOSED Preliminary
ıO							CHECKED BY B. RAWSON	DESIGN
54595							IN CHARGE Q. EARLE	NOT FOR CONSTRUCTION
DEA	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/08/11	

PROPOSED PRELIMINARY DESIGN NOT FOR





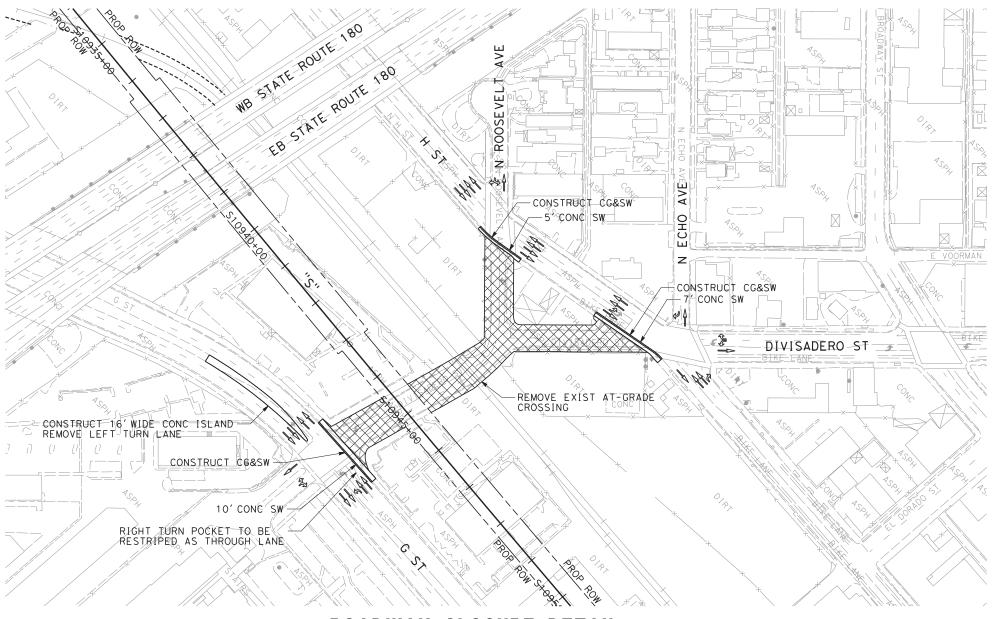
#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY CONSTRUCTION DETAILS

	CONTRACT NO.	
	DRAWING NO. CV-T5000	
	SCALE AS SHOWN	
	CUEET NO	•

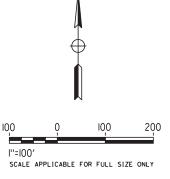
REMOVE BASE, SURFACING, & MINOR CONCRETE

PATA PROPOSED TRAFFIC CIRCULATION





DIVISADERO ST



12/1							DESIGNED BY J. BINNING DRAWN BY	PROPOSED
							J. BINNING	PRELIMINARY Design
595							CHECKED BY B. RAWSON	DESIGN
54							O. EARLE	NOT FOR CONSTRUCTION
DEA	REV	DATE	ВΥ	СНК	APP	DESCRIPTION	12/08/11	





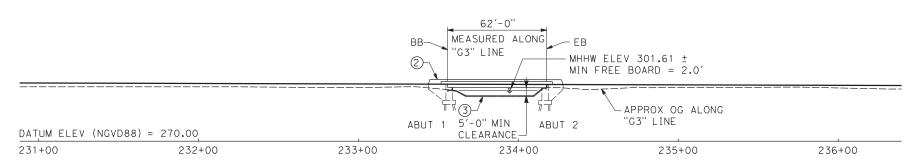
#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY ROADWAY CLOSURE DETAILS

Ī	CONTRACT NO.
	DD 4 WING A 10
	DRAWING NO.
	CV-T5001
	SCALE
	AS SHOWN
	A3 31101111

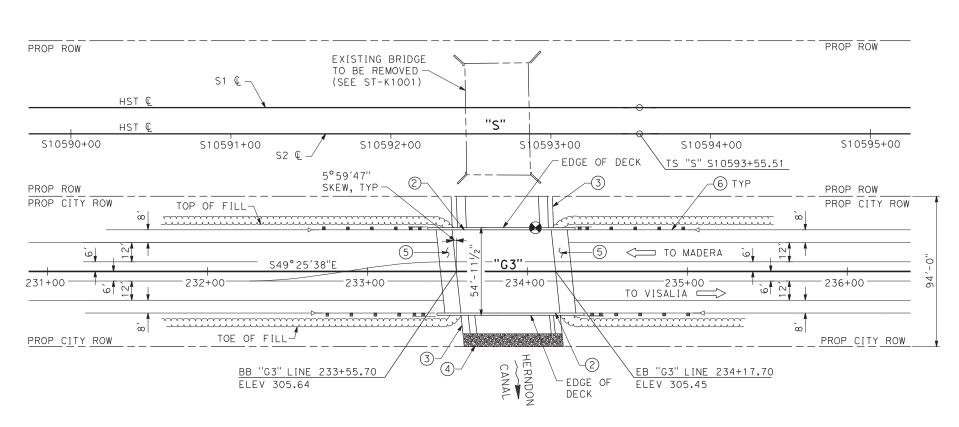
#### PROFILE GRADE

NO SCALE



#### **ELEVATION**

SCALE: 1"=30'-0"



#### PLAN SCALE: 1"=30'-0"

### PROPOSED DESIGN NOT FOR CONSTRUCTION

A**ECO**M



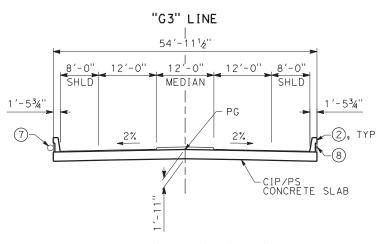
#### NOTES:

- 1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
- 2 CONCRETE BARRIER (TYPE 736 MODIFIED)
- 3 CONCRETE CHANNEL LINING
- (4) ROCK SLOPE PROTECTION
- (5) STRUCTURE APPROACH SLAB, TYPE EQ(10)
- 6 METAL BEAM GUARD RAILING
- 7 14" DIA WATER LINE
- (8) 4" DIA GAS LINE

#### **LEGEND:**

DIRECTION OF TRAFFIC NEW CONSTRUCTION EXISTING STRUCTURE

POINT OF MINIMUM VERTICAL CLEARANCE



#### TYPICAL SECTION SCALE: 1"=10'-0"

CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY GOLDEN STATE BLVD BRIDGE AT HERNDON CANAL GENERAL PLAN

ST-I1001 AS SHOWN SHEET NO.

BY CHK APP

DESCRIPTION

PRELIMINARY

H. LEE

E. CISNEROS

T. DUDLEY

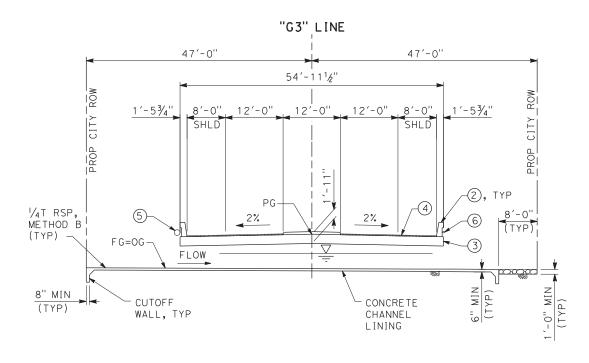
CHARGE D. MINISTER

02/01/2012

2020 L Street, Suite 300 Sacramento, CA 958II **CH2MHILL** 

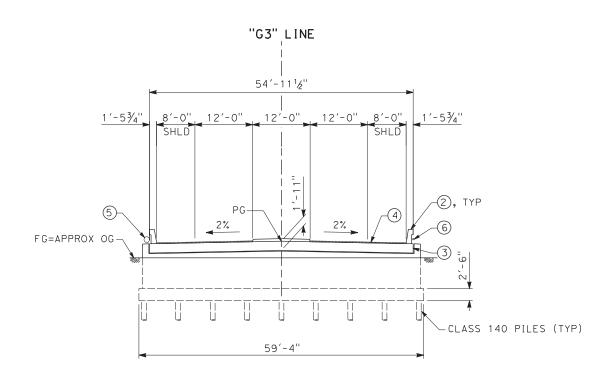
#### NOTES:

- 1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
- 2 CONCRETE BARRIER (TYPE 736 MODIFIED)
- (3) CIP/PS CONCRETE SLAB
- 4 3/4" POLYESTER CONCRETE OVERLAY
- 5 14" DIA WATER LINE
- 6 4" DIA GAS LINE



SECTION AT MID-SPAN

SCALE: 1"= 10'-0"



#### **SECTION AT ABUTMENT 2**

SCALE: 1"= 10'-0"

						DESIGNED BY H. LEE	
_						DRAWN BY E. CISNEROS	PROPOSED Preliminary
$\vdash$						CHECKED BY	DESIGN
						IN CHARGE D. MINISTER	NOT FOR
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 02/01/2012	CONSTRUCTION

**AECOM** 2020 L Street, Suite 300 Sacramento, CA 958II **CH2MHILL** 



#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY GOLDEN STATE BLVD BRIDGE AT HERNDON CANAL SHEET NO. TYPICAL SECTIONS

CONTRACT NO.					
DRAWING NO. ST-I1002					
SCALE					
AS SHOWN					

UPRR ROW EXISTING BRIDGE TO BE REMOVED S1 Q-"S" S10590+00 S10591+00 / S10592+00 \$10593+00 S10594+00 S10595+00 PROP ROW PROP ROW PROP CITY ROW PROP CITY ROW WW LOL WW LOL 549°25′38"E S49°25′38"E "G3" LINE 233+56.70 "G3" DINES 234+16.70 S49°25′38"E 231+00 232+00 233+00 234+00 235+00 236+00 WW LÓL WW LOL S49°25′38"E S49°25′38''E PROP CITY ROW PROP CITY ROW 293.10± 293.10± HERNDON PLAN SCALE: 1"=30'-0"

#### NOTES:

- 1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
- 2. EXISTING BRIDGE AND UTILITY ARE APPROXIMATE.
- 3. EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO BE DETERMINED.

#### LEGEND:

BOTTOM OF FOOTING ELEVATION

PC/PS PILE

EXISTING STRUCTURE

## CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY GOLDEN STATE BLVD BRIDGE AT HERNDON CANAL FOUNDATION PLAN DRAWING NO.
ST-11003
SCALE
AS SHOWN
SHEET NO.

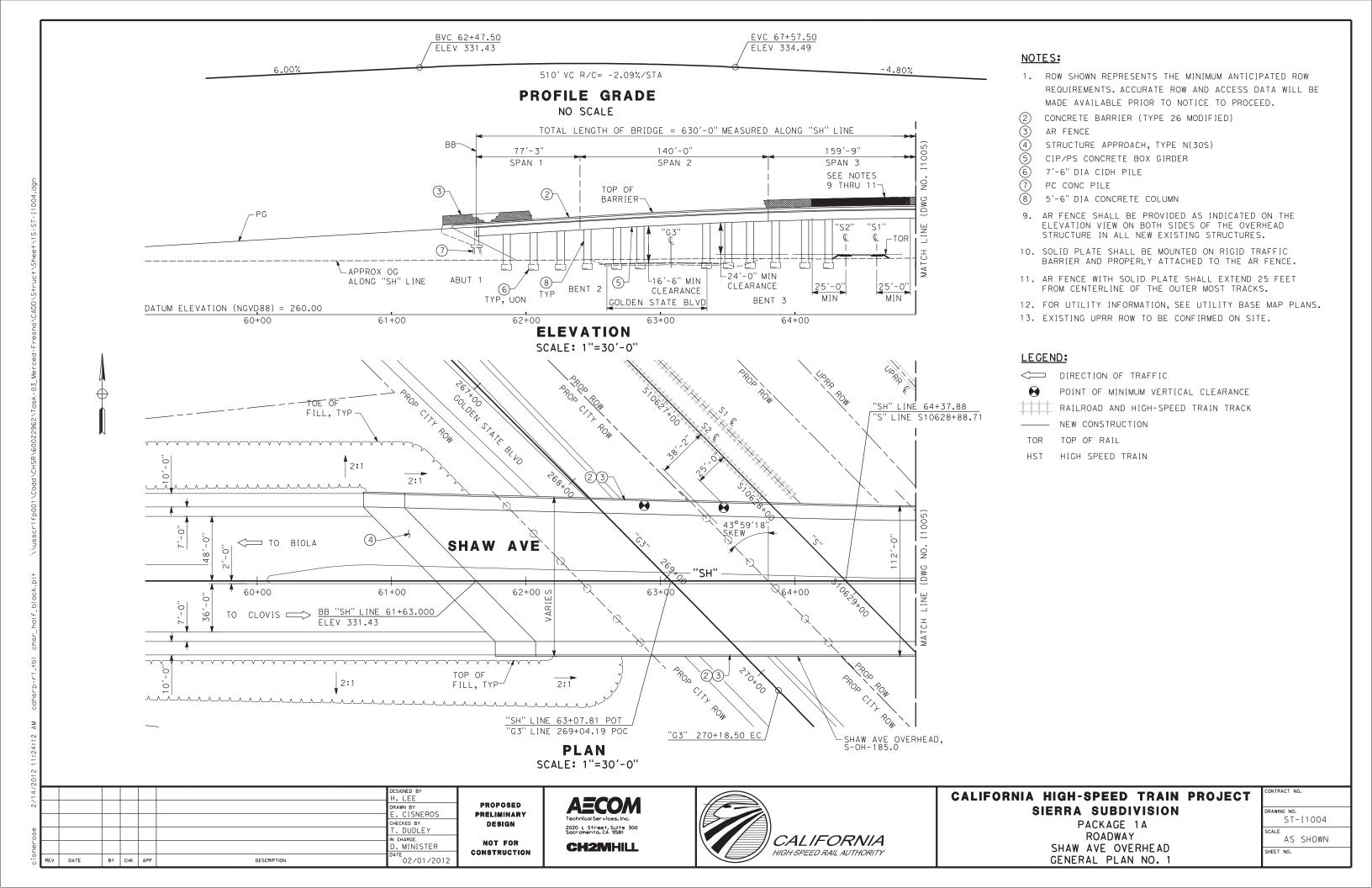
						DESIGNED BY H. LEE
_						DRAWN BY
						CHECKED BY
<u> </u>						T. DUDLEY IN CHARGE
						D. MINISTER
REV	DATE	BY	СНК	APP	DESCRIPTION	12/08/11

PROPOSED
PRELIMINARY
DESIGN
NOT FOR

CONSTRUCTION

AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 958II
CH2MHILL





#### NOTES:

- 1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO NOTICE TO PROCEED.
- CONCRETE BARRIER (TYPE 26 MODIFIED)
- AR FENCE
- STRUCTURE APPROACH, TYPE N(30S)
- CIP/PS CONCRETE BOX GIRDER
- PC/PS BULB-TEE GIRDER
- 7'-6" DIA CIDH PILE
- (8) PC CONC PILE
- 5'-6" DIA CONCRETE COLUMN
- 10. AR FENCE SHALL BE PROVIDED AS INDICATED ON THE ELEVATION VIEW ON BOTH SIDES OF THE OVERHEAD STRUCTURE IN ALL NEW EXISTING STRUCTURES.
- 11. FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS.
- 12. EXISTING UPRR ROW TO BE CONFIRMED ON SITE.

#### LEGEND:

DIRECTION OF TRAFFIC

POINT OF MINIMUM VERTICAL CLEARANCE

RAILROAD AND HIGH-SPEED TRAIN TRACK

NEW CONSTRUCTION

TOP OF RAIL

HST HIGH SPEED TRAIN

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY SHAW AVE OVERHEAD GENERAL PLAN NO. 2

ST-[1005 AS SHOWN

SHEET NO.

BY CHK APP

H. LEE E. CISNEROS . DUDLEY . MINISTER 02/01/2012

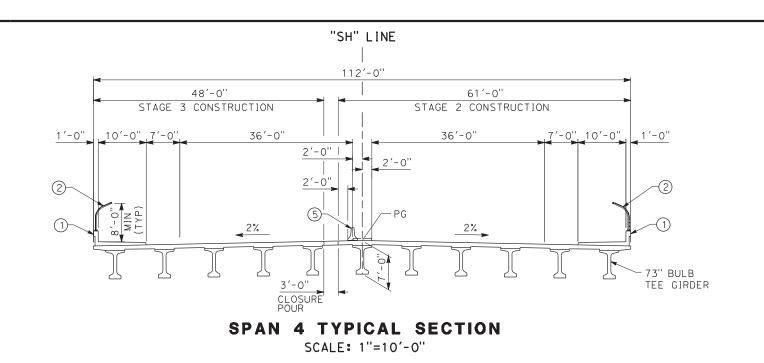
DESCRIPTION

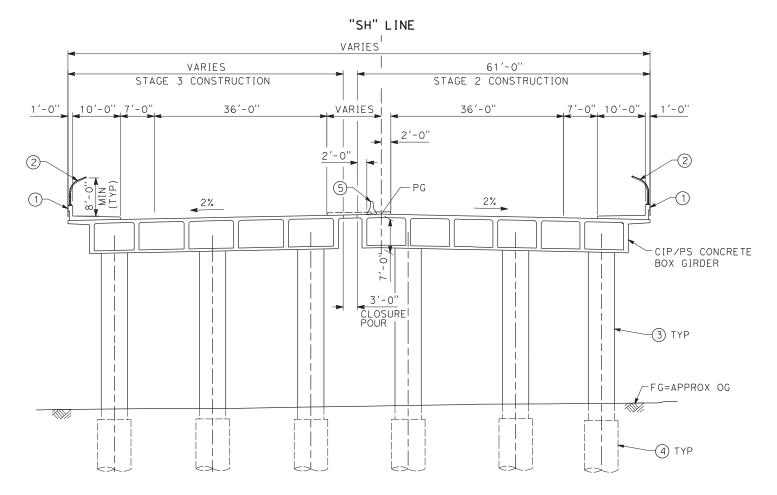
PROPOSED PRELIMINARY DESIGN NOT FOR

CONSTRUCTION

2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 







#### SPANS 1 THRU 3 TYPICAL SECTION

SCALE: 1"=10'-0"

#### (1) CONCRETE BARRIER (TYPE 26 MODIFIED) AR FENCE

2

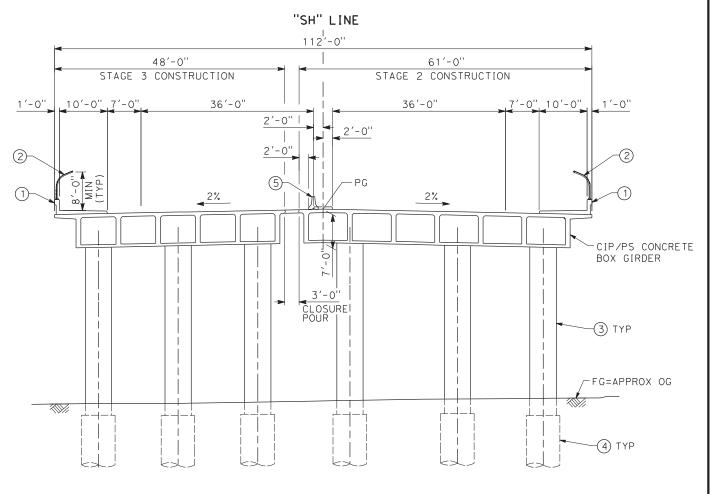
NOTES:

5'-6" DIA CONCRETE COLUMN

4 7'-6" DIA CIDH PILE

TEMPORARY RAILING TYPE K

AR FENCE SHALL BE PROVIDED AS INDICATED ON THE CROSS SECTIONS VIEWS ON BOTH SIDES OF THE OVERHEAD STRUCTURE IN ALL NEW EXISTING STRUCTURES.



#### SPAN 5 TYPICAL SECTION

SCALE: 1"=10'-0"

						DESIGNED BY H. LEE	
						DRAWN BY	
						CHECKED BY T. DUDLEY	
						IN CHARGE D. MINISTER	c
REV	DATE	BY	СНК	APP	DESCRIPTION	12/08/11	

PROPOSED PRELIMINARY DESIGN NOT FOR CONSTRUCTION

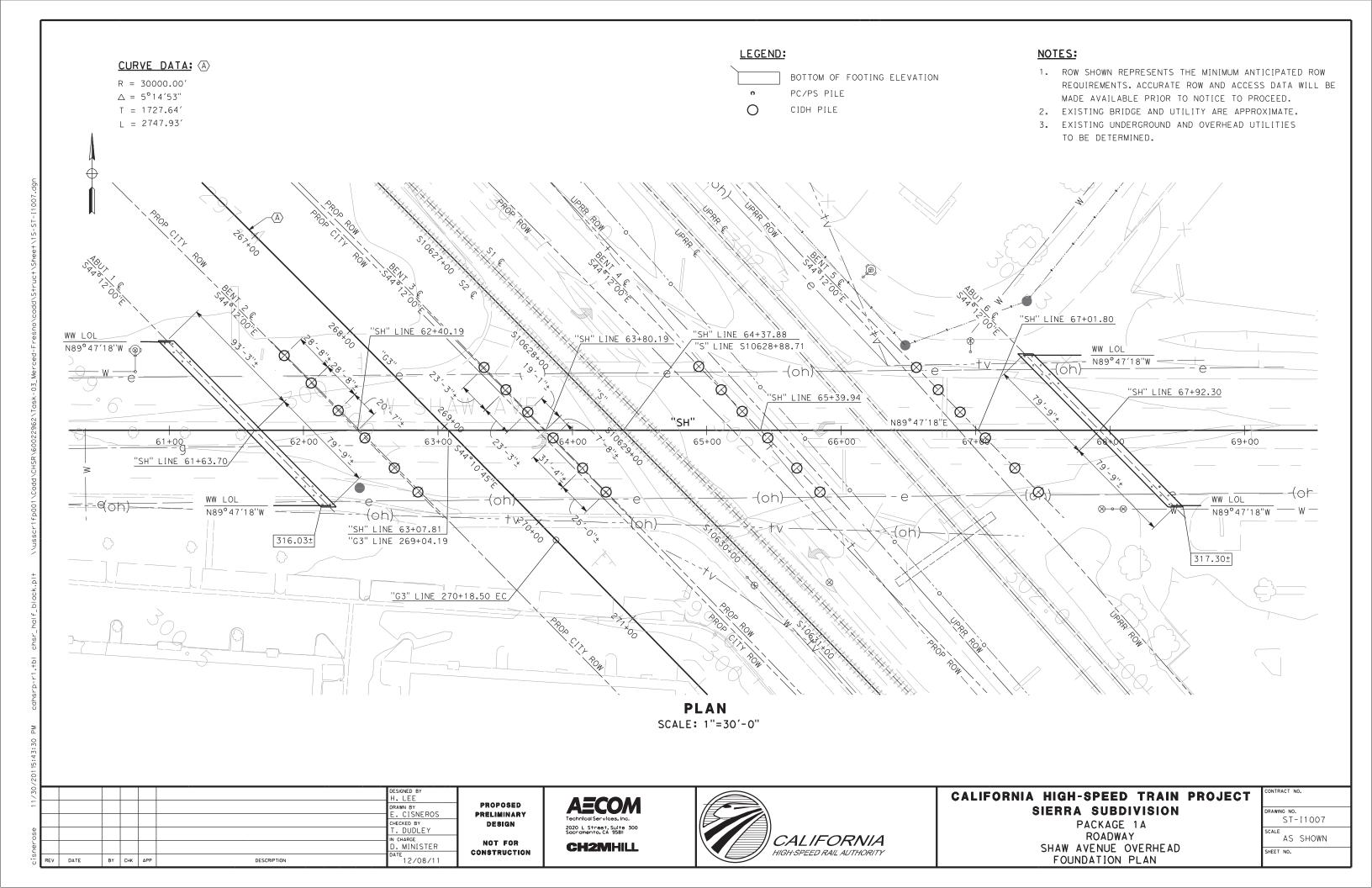
2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 

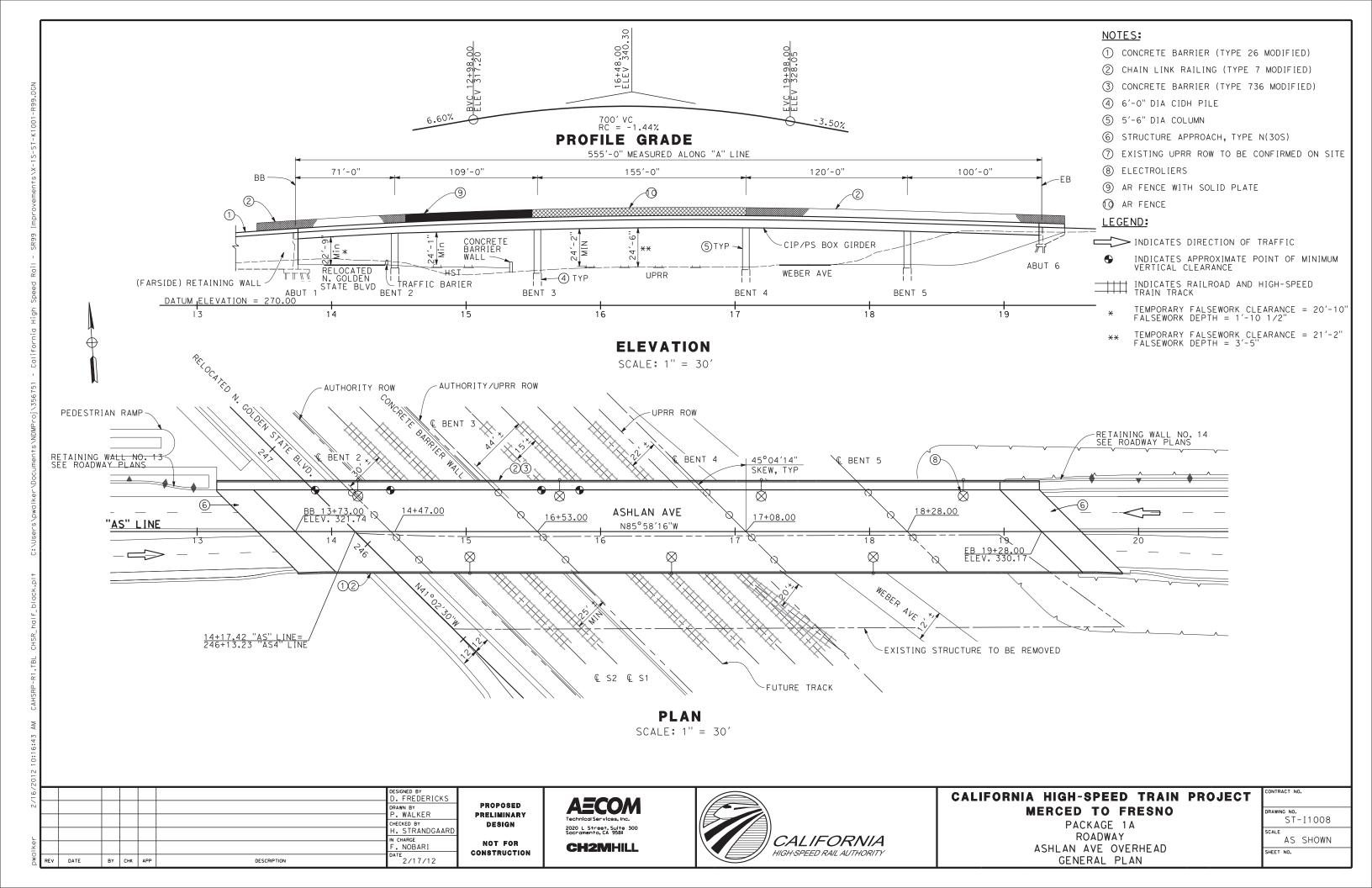


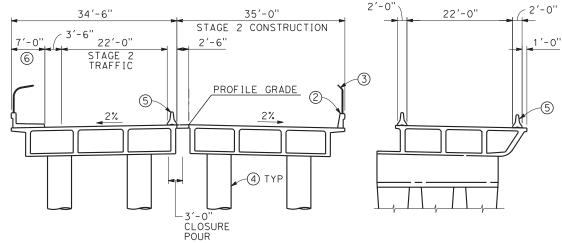
#### CALIFORNIA HIGH-SPEED TRAIN PROJECT CONTRACT NO. SIERRA SUBDIVISION

PACKAGE 1A ROADWAY SHAW AVENUE OVERHEAD TYPICAL SECTIONS

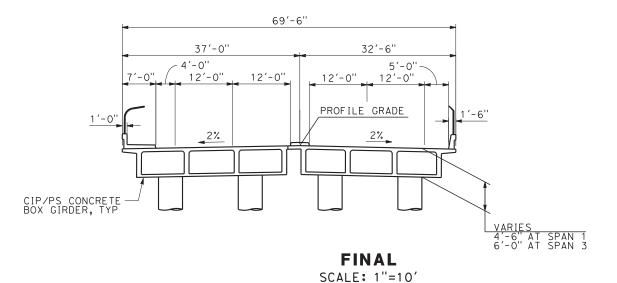
DRAWING NO	
ST-	- I1006
SCALE	
AS	SHOWN
SHEET NO.	







#### STAGE 2 SCALE: 1"=10'



#### NOTES:

- ① CONCRETE BARRIER (TYPE 26 MODIFIED)
- (2) CONCRETE BARRIER (TYPE 736 MODIFIED)
- (3) CHAIN LINK RAILING (TYPE 7 MODIFIED)
- 4 5'-6" DIA CONCRETE COLUMN
- (5) TEMPORARY RAILING TYPE K
- 6 PEDESTRIAN WALKWAY
- (7) EXISTING BARRIER
- 8 AR FENCE

#### **STAGING NOTES:**

STAGE 1:

CONSTRUCT NORTH PORTION OF ASHLAN OVERHEAD.

STAGE 2:

SHIFT ASHLAN AVE WB TRAFFIC TO NEWLY CONSTRUCTED NORTH PORTION OF OVERHEAD.

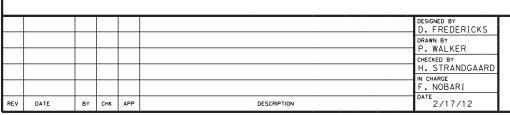
REMOVE NORTH PORTION OF EXISTING

CONSTRUCT SOUTH PORTION OF OVERHEAD.

FINAL STAGE:

SHIFT EB TRAFFIC TO NEW OVERHEAD.

REMOVE REMAINING SOUTH PORTION OF EXISTING OVERHEAD.



PROPOSED PRELIMINARY DESIGN NOT FOR

CONSTRUCTION

2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 



#### CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

PACKAGE 1A ROADWAY ASHLAN AVE OVERHEAD TYPICAL SECTION

	CONTRACT NO.
	DRAWING NO. ST-[1009
- 1	SCALE

AS SHOWN

ABUTMENT

BENT 2

BENT 3

BENT 4

BENT 5

ABUTMENT

6' DIA. CIDH

6' DIA. CIDH

CLASS 140 ALT. "X"

APPROXIMATE PILE CUT-OFF APPROXIMATE DESIGN TIP ELEV. (FT) EMBEDDED PILE LENGTH (FT) NOMINAL RESISTANCE (kips) LOCATION | PILE TYPE COMPRESSION TENSION ELEV. (FT) CLASS 140 ALT. "X" 280 0 293:00± TBD 6' DIA. CIDH 2200 0 296:00± TBD 6' DIA. CIDH 26.70 0 293:00± TBD

296:00±

296:00±

313:00±

PILE DATA TABLE (PRELIMINARY)

0

0

0

NOTE: DESIGN TIP ELEVATIONS ARE TO BE DETERMINED BY CONTRACTOR

27.70

25.10

280

LEGEND:

TBD

TBD

TBD

TBD

TBD

TBD

TBD

TBD

TBD

INDICATES BOTTOM OF FOOTING ELEVATION XXX.XX

INDICATES NEW PILE

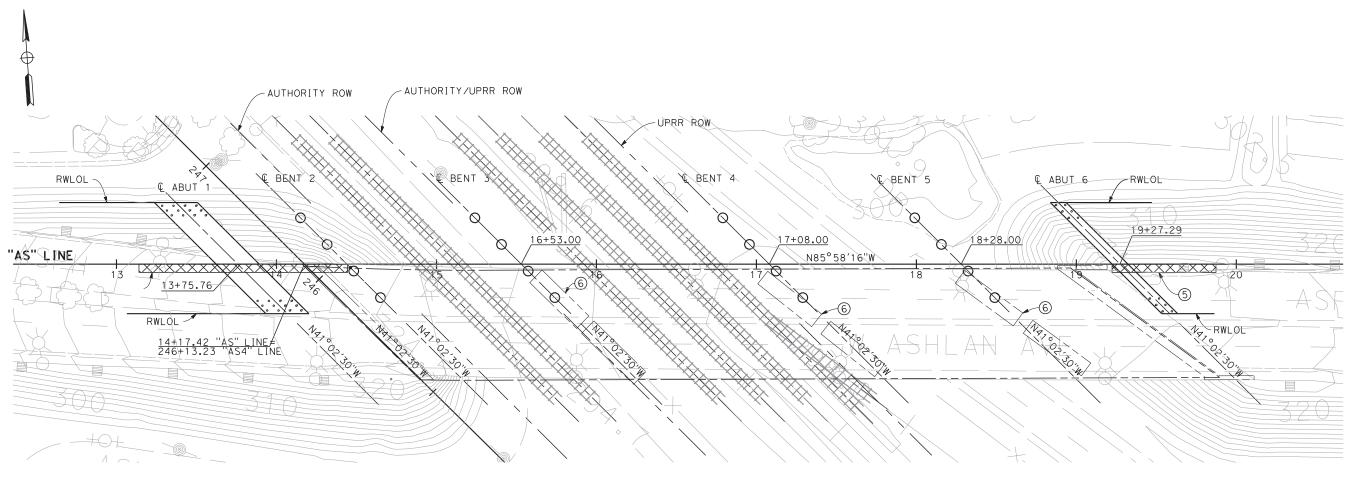
INDICATES NEW BATTER PILE

INDICATES CIDH PILE

INDICATES EXISTING STRUCTURE

#### NOTES:

- EXISTING BRIDGE, SUBSTRUCTURE, AND UTILITY LOCATIONS ARE APPROXIMATE, CONTRACTOR SHALL FIELD VERIFY CONTROLLING DIMENSIONS PRIOR TO CONSTRUCTION.
- EXISTING UNDERGROUND AND OVERHEAD UTILITIES
  TO BE DETERMINED AND RELOCATED AS NEEDED PRIOR CONSTRUCTION.
- RIGHT OF WAY LIMITS ARE APPROXIMATE AND TO BE CONFIRMED BY THE CONTRACTOR.
- REMOVE EXISTING SUBSTRUCTURE 2' MINIMUM BELOW FINISHED GRADE.
- TEMPORARY SHORING
- EXISTING SPREAD FOOTINGS



SCALE: 1'' = 30'

						DESIGNED BY D. FREDERICKS	
_						DRAWN BY P. WALKER	PROPOSED Preliminary
$\vdash$						CHECKED BY H. STRANDGAARD	DESIGN
						IN CHARGE F. NOBARI	NOT FOR
REV	DATE	BY	СНК	APP	DESCRIPTION	DATE 2/17/12	CONSTRUCTION

2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 



#### CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

PACKAGE 1A ROADWAY ASHLAN AVE OVERHEAD FOUNDATION PLAN

CONTRACT NO.						
DRAWIN		-I1010				
SCALE						
	ΑS	NOTED				

PROPOSED DESIGN

NOT FOR CONSTRUCTION

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"AS" LINE ✓

**BENT ELEVATION** SCALE: 1"=10'

PROFILE GRADE



CONCRETE BARRIER
(TYPE 736 MODIFIED)
WITH CHAIN LINK

RAILING

CIP/PS CONCRETE BOX GIRDER, TYP

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT CONTRACT NO. MERCED TO FRESNO

PACKAGE 1A ROADWAY ASHLAN AVE OVERHEAD BENT ELEVATION

DRAWING NO.					
ST-I1011					
SCALE					
AS SHOWN					

SHEET NO.

D. FREDERICKS DRAWN BY
M. MIYAMOTO PRELIMINARY CHECKED BY
H. STRANDGAARD

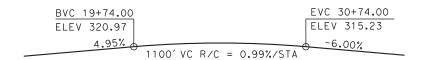
N CHARGE

DESCRIPTION

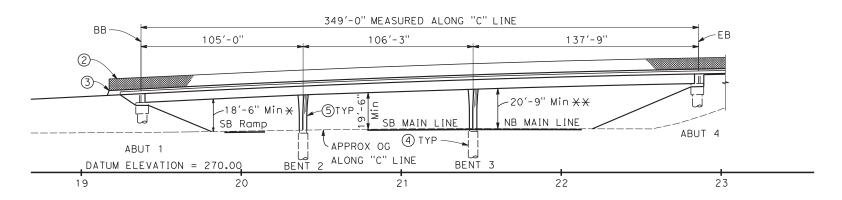
TE 2/17/12

CONCRETE BARRIER (TYPE 26) WITH CHAIN

LINK RAILING

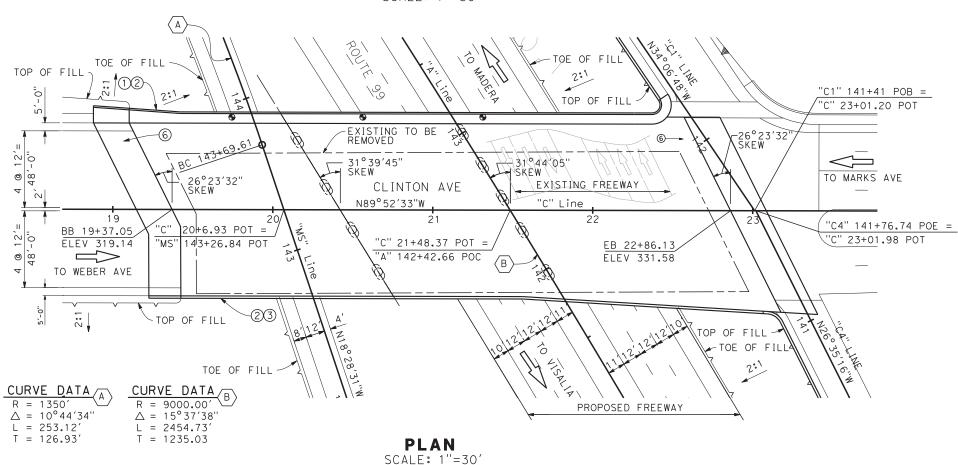


### PROFILE GRADE



#### **ELEVATION**

SCALE: 1"=30'



#### NOTES:

- (1) CONCRETE BARRIER (TYPE 26 MODIFIED)
- ② CHAIN LINK RAILING (TYPE 7 MODIFIED)
- 3 CONCRETE BARRIER (TYPE 736 MODIFIED)
- 4 6'-0" DIA CIDH PILE
- (5) 4' X 6' OBLONG COLUMN
- 6 STRUCTURE APPROACH, TYPE N(30S)
- ★ TEMPORARY FALSEWORK CLEARANCE = 16'-6" FALSEWORK DEPTH = 2'-0"
- \*\* TEMPORARY FALSEWORK CLEARANCE = 17'-6" FALSEWORK DEPTH = 3'-3"

#### LEGEND:

INDICATES DIRECTION OF TRAFFIC

• INDICATES APPROXIMATE POINT OF MINIMUM VERTICAL CLEARANCE

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO PACKAGE 1A

PACKAGE 1A ROADWAY CLINTON AVE OVERCROSSING GENERAL PLAN

CONTRACT NO.
DRAWING NO. ST-I1012
AS SHOWN

SHEET NO.

						D. FREDERICKS
						DRAWN BY
						P. WALKER CHECKED BY
						H. STRANDGAARD IN CHARGE
						F. NOBARI
DEV.	DATE	B.	CUV	ADD	DESCRIPTION	DATE 1.2 (0.9 (1.1

PROPOSED
PRELIMINARY
DESIGN
NOT FOR

CONSTRUCTION

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Technical Services, inc.
2020 L Street, Suite 300
Socramento, CA 958II
CH2MHILL



#### **STAGING NOTES:**

STAGE 1:

SHIFT CLINTON AVE EB & WB TRAFFIC TO SOUTHERLY PORTION OF CLINTON AVE OC.

REMOVE NORTH PORTION OF CLINTON AVE OC.

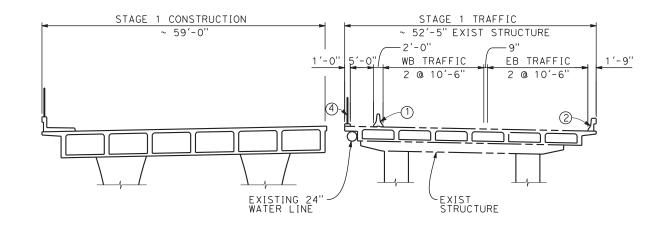
CONSTRUCT NORTH PORTION OF CLINTON AVE OC.

STAGE 2:

SHIFT CLINTON AVE EB & WB TRAFFIC TO NEWLY CONSTRUCTED CLINTON AVE OC. REMOVE REMAINING PORTION OF CLINTON AVE OC.

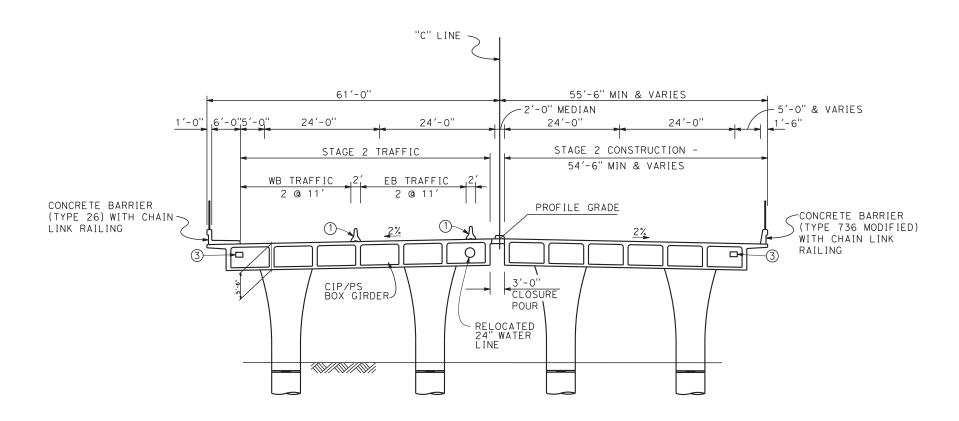
CONSTRUCT SOUTH PORTION OF CLINTON AVE OC.

PLACE CLOSURE POUR.



#### STAGE CONSTRUCTION

SCALE: 1"=10'



- 1) TEMPORARY RAILING TYPE K
- (2) EXISTING BARRIER
- 3 FUTURE UTILITY OPENING
- (4) TEMPORARY CHAIN-LINK FENCE

#### TYPICAL SECTION

SCALE: 1"=10'

12/2/20							DESIGNED BY D. FREDERICKS DRAWN BY P. WALKER	PROPOSED PRELIMINARY
L							CHECKED BY H. STRANDGAARD IN CHARGE	DESIGN
pwalker	REV	DATE	BY	СНК	APP	DESCRIPTION	F. NOBARI DATE 12/08/11	NOT FOR CONSTRUCTION

**AECOM** 2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 



#### CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

PACKAGE 1A ROADWAY CLINTON AVE OVERCROSSING TYPICAL SECTION

CONTRAC	T NO.	
DRAWING		-I1013
SCALE	AS	SHOWN

REMOVE 1' ± OF EXISTING FOOTING FACES ADJACENT TO CIDH PILES -

LEGEND:

XXX.XX INDICATES BOTTOM OF FOOTING ELEVATION

INDICATES EXISTING STRUCTURE

INDICATES CIDH PILE

INDICATES EXISTING PILE

INDICATES EXISTING BATTER PILE

EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO BE DETERMINED, AND RELOCATED AS NEEDED PRIOR TO CONSTRUCTION.

DIMENSIONS PRIOR TO CONSTRUCTION.

NOTES:

RIGHT OF WAY LIMITS ARE APPROXIMATE AND TO BE CONFIRMED BY THE CONTRACTOR.

REMOVE EXISTING SUBSTRUCTURE 2' MINIMUM BELOW FINISHED GRADE.

EXISTING BRIDGE, SUBSTRUCTURE, AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY CONTROLLING

PARTIAL REMOVAL OF EXISTING BENT 3 FOOTING

#### SECTION A-A NO SCALE



#### PLAN

CURVE DATA CURVE DATA R = 1350'R = 9000.00' $\triangle = 10^{\circ}44'34''$  $\triangle = 15^{\circ}37'38''$ L = 253.12'L = 2454.73'T = 126.93'T = 1235.03'

SCALE: 1"=30'-0"

PILE DATA TABLE (PRELIMINARY)								
LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		APPROXIMATE PILE CUT-OFF	APPROXIMATE DESIGN	EMBEDDED PILE		
		COMPRESSION	TENSION	ELEV. (FT)	TIP ELEV. (FT)	LENGTH (FT)		
ABUTMENT 1	6' DIA. CIDH	2100	0	295.00±	TBD	TBD		
BENT 2-3	6' DIA. CIDH	4150	0	295.00±	TBD	TBD		
ABUTMENT 4	6' DIA. CIDH	2100	0	295 <b>.</b> 00±	TBD	TBD		

NOTE: DESIGN TIP ELEVATIONS ARE TO BE DETERMINED BY CONTRACTOR

D. FREDERICKS P. WALKER CHECKED BY H. STRANDGAARD . NOBARI BY CHK APP DESCRIPTION 12/08/11

PROPOSED PRELIMINARY DESIGN

NOT FOR CONSTRUCTION





#### CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

PACKAGE 1A ROADWAY CLINTON AVE OVERCROSSING FOUNDATION PLAN

CONTR	ACT NO	).	
DRAWIN	G NO.		
	ST	-I1014	
SCALE			
	ΑS	SHOWN	
SHEET	NO.		



PROPOSED Preliminary Design

NOT FOR





# CALIFORNIA HIGH-SPEED TRAIN PROJECT CONTRACT NO. MERCED TO FRESNO DRAWING NO.

PACKAGE 1A ROADWAY CLINTON AVE OVERCROSSING CONSTRUCTION DETAIL NO. 1

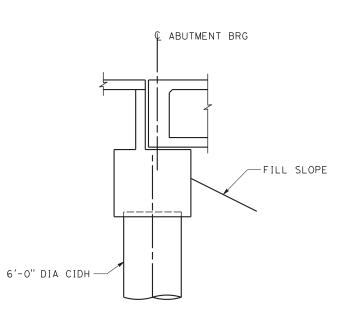
DRAWIN	IG NO.		
	ST	-I1015	
SCALE			
	ΑS	SHOWN	
SHEET	NO.		

FINISHED GRADE AT FACE OF ABUT

6'-O" DIA CIDH

#### **ABUTMENT ELEVATION**

SCALE: 1" = 10'



#### **ABUTMENT SECTION**

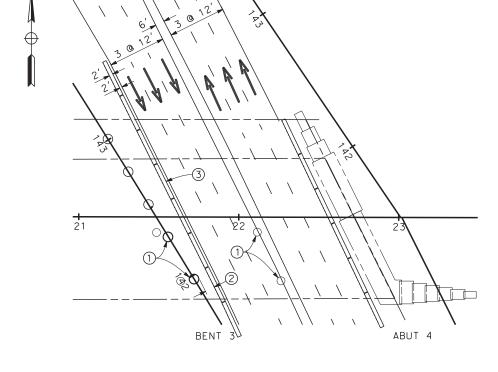
SCALE: 1'' = 5'-0''

PROPOSED PRELIMINARY DESIGN

NOT FOR







#### STAGE 1 PLAN AT BENT 3

SCALE: 1"=30'

#### STAGE 2 PLAN AT BENT 3

SCALE: 1"=30'

#### NOTES:

BENT 3

1 REMOVE SUPERSTRUCTURE, AND SUBSTRUCTURE TO 2' BELOW FG, DURING NIGHT CLOSURES

ABUT 4

2 6'-6" MINIMUM TO K-RAIL

DESIGNED BY

CHECKED BY
H. STRANDGAARD

12/08/11

P. WALKER

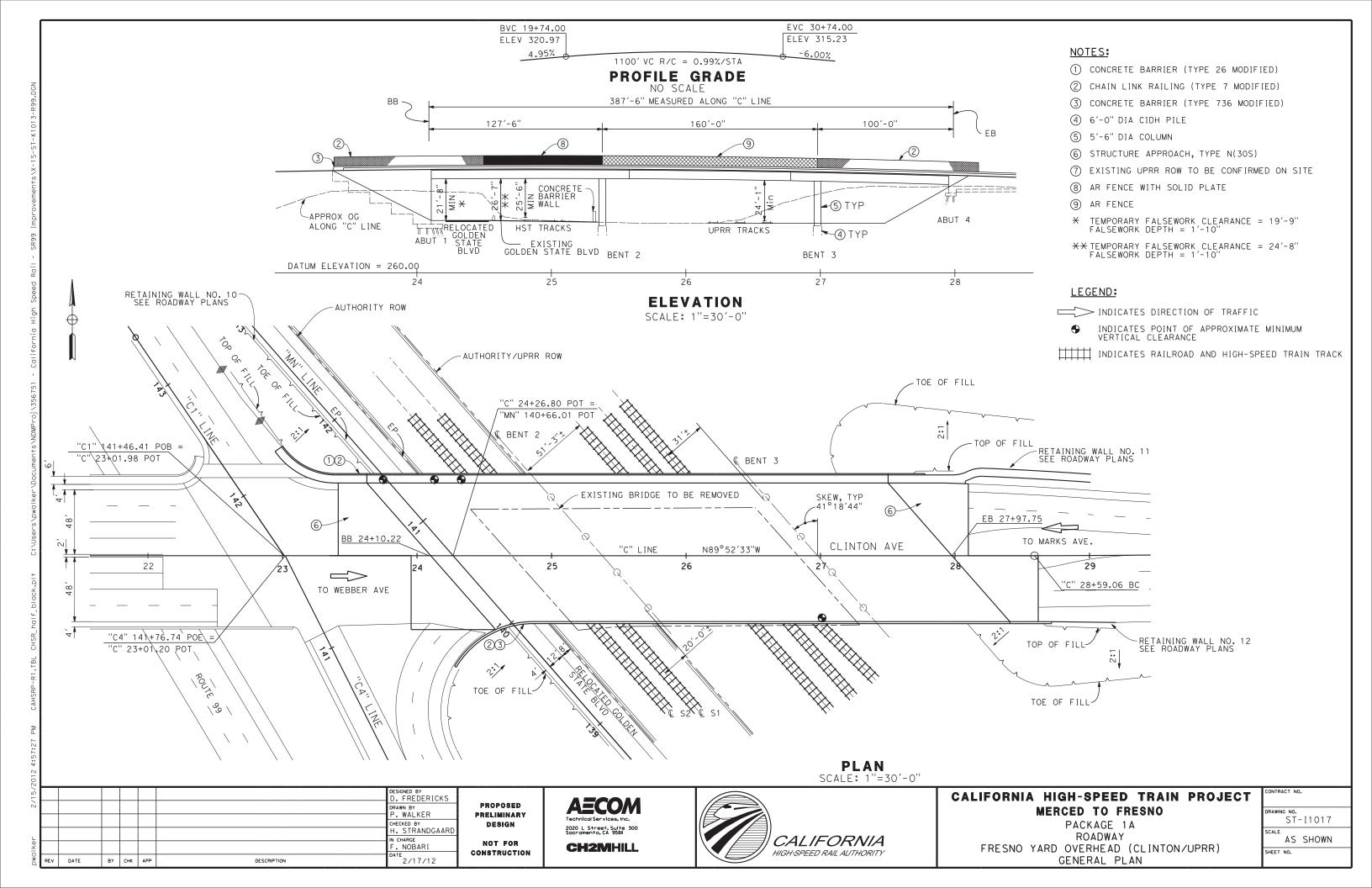
. NOBARI

- 3 TEMPORARY RAILING TYPE K
- 4 REMOVE PORTION OF EXISTING FOOTING

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT CONTRACT NO. MERCED TO FRESNO

PACKAGE 1A ROADWAY CLINTON AVE OVERCROSSING CONSTRUCTION DETAIL NO. 2

DRAWING	S NO.	
	ST-I	1016
SCALE	AS	SHOWN



PROPOSED PRELIMINARY DESIGN NOT FOR

CONSTRUCTION

"C" LINE

STAGE 2 CONSTRUCTION ~ 58'-0"

60'-0"

STAGE 2A TRAFFIC

-2'-0"

24'-0"

(5)-

CIP/PS Box Girder

60'-0"

WB TRAFFIC

2 @ 11

1'-0" [6'-0",4'-0"

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PROFILE GRADE

STAGE 1 TRAFFIC ~ 52'-5" EXIST STRUCTURE

EXISTING 16" WATER IN 24" CASING

49'-6"

STAGE 2A CONSTRUCTION 48'-6"

-4 TYP

49'-6"

PROFILE GRADE

EB TRAFFIC

4'-0" .

MIN

2 @ 10'-6"

WB TRAFFIC

2 @ 10'-6"

STAGE 1 SCALE: 1"=10'-0"

MEDIAN

VAR 16'-32'

3'-0"

CLOSURE

POUR

-16" WATER IN 24" CASING

STAGE 2

SCALE: 1"=10'-0"

SPAN 2 SCALE: 1"=10'-0"

"C" LINE ~

24'-0" LEFT TURN

2'-0"

0

EB TRAFFIC

2 @ 11



-PC/PS BULB TEE GIRDER

#### NOTES:

- (1) CONCRETE BARRIER (TYPE 26 MODIFIED)
- 2) CONCRETE BARRIER (TYPE 736 MODIFIED)
- 3 CHAIN LINK RAILING (TYPE 7 MODIFIED)
- 4 5'-6" DIA COLUMN
- (5) TEMPORARY RAILING TYPE K
- (6) EXISTING BARRIER
- 7 AR FENCE
- (8) TEMPORARY CHAIN-LINK FENCE

#### **STAGING NOTES:**

STAGE 1:

SHIFT CLINTON AVE EB & WB TRAFFIC TO SOUTHERLY PORTION OF FRESNO YARD OH.

REMOVE NORTH PORTION OF FRESNO YARD OH.

CONSTRUCT NORTH PORTION OF FRESNO YARD OH.

STAGE 2:

SHIFT CLINTON AVE EB & WB
TRAFFIC TO NEWLY CONSTRUCTED FRESNO YARD OH.

REMOVE REMAINING PORTION OF FRESNO YARD OH.

CONSTRUCT SOUTH PORTION OF FRESNO YARD OH.

CLOSURE POUR.

### CALIFORNIA HIGH-SPEED TRAIN PROJECT

PACKAGE 1A ROADWAY FRESNO YARD OVERHEAD (CLINTON/UPRR) TYPICAL SECTION

ST-I1018 AS SHOWN

SHEET NO.

MERCED TO FRESNO

HIGH-SPEED RAIL AUTHORITY

CONSTRUCTION

12/08/11

BY CHK APP

DESCRIPTION

NOTES:

- EXISTING BRIDGE SUBSTRUCTURE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY CONTROLLING DIMENSIONS PRIOR TO CONSTRUCTION.
- EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO BE DETERMINED AND RELOCATED AS NEEDED PRIOR CONSTRUCTION.
- RIGHT OF WAY LIMITS ARE APPROXIMATE AND TO BE CONFIRMED BY THE CONTRACTOR.

FOUNDATION PLAN

REMOVE EXISTING SUBSTRUCTURE 2' MINIMUM BELOW FINISHED GRADE.

ST-I1019

AS SHOWN

PROPOSED Preliminary Design

NOT FOR CONSTRUCTION





# CALIFORNIA HIGH-SPEED TRAIN PROJECT CONTRACT NO. MERCED TO FRESNO DRAWING NO.

PACKAGE 1A ROADWAY FRESNO YARD OVERHEAD (CLINTON/UPRR) BENT ELEVATION

DRAWIN		-I1020
SCALE	AS	SHOWN

SHEET NO.

CONCRETE BARRIER
(TYPE 736 MODIFIED)
WITH CHAIN LINK
RAILING

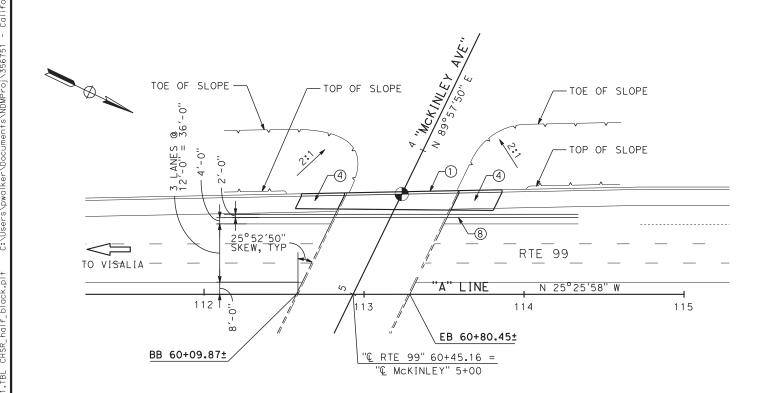
CIP/PS CONCRETE
BOX GIRDER, TYP

"C" LINE

#### BENT ELEVATION

SCALE: 1"=10'-0"

SCALE: 1"=30'



PLAN SCALE: 1"=30"

#### NOTES:

- ① CONCRETE BARRIER (TYPE 736 MODIFIED)
- 2 FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS
- (3) PAINT "MCKINLEY AVE UC" AMD "BR NO 43-181 R/L"
- 4) STRUCTURE APPROACH, TYPE N (305)
- (5) MATCH EXISTING GRADE AND X-SLOPE

---- INDICATES CLEARANCE LINE

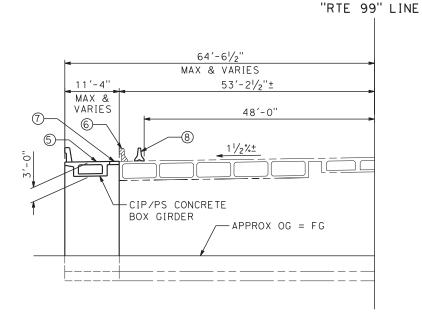
- 6 REMOVE EXISTING RAILING
- (7) 2'-0" CLOSURE POUR
- 8 TEMPORARY RALING (TYPE K)
- \* STRUCTURE TO BE CAST ON FALSEWORK AND LOWERED INTO PLACE

#### LEGEND:

INDICATES DIRECTION OF TRAFFIC

INDICATES APPROXIMATE POINT OF MIN VERTICAL CLEARANCE





TYPICAL SECTION SCALE: 1"=10'

20.								
2/2/							DESIGNED BY	
1,							DRAWN BY M. MIYAMOTO	
							CHECKED BY H. STRANDGAARD	
Iker							IN CHARGE F. NOBARI	
pwd	REV	DATE	BY	СНК	APP	DESCRIPTION	12/08/11	

PROPOSED PRELIMINARY DESIGN NOT FOR

CONSTRUCTION

**AECOM** 2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 



#### CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

PACKAGE 1A ROADWAY MCKINLEY BLVD UNDERCROSSING (WIDEN) GENERAL PLAN

ST-I1021 AS SHOWN

PROPOSED Preliminary Design

NOT FOR CONSTRUCTION





## CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

PACKAGE 1A
ROADWAY
MCKINLEY BLVD UNDERCROSSING (WIDEN)
TYPICAL SECTION

Γ	CONTRACT NO.
	DRAWING NO.
	ST-I1022
	SCALE
	AS SHOWN
	SHEET NO

	€ RTE 99
REMOVE EXISTING CONCRETE BARRIER TYPE 25 MODIFIED  CONCRETE BARRIER TYPE 736 MODIFIED  CONCRETE BOX GIRD	CONCRETE BARRIER TYPE 50A  1 1/2%  ER

#### NOTES:

\* MATCH EXISTING GRADE AND X-SLOPE

TYPICAL SECTION
SCALE: 1" = 10'-0"

ABUTMENT ABUTMENT

CLASS 140 0 ALT. "X"

NOMINAL RESISTANCE (kips) APPROXIMATE PILE CUT-OFF ELEV. (FT) APPROXIMATE DESIGN TIP ELEV. (FT) LOCATION | PILE TYPE TBD N/A CLASS 140 ALT. "X" TBD 280 0 N/A

PILE DATA TABLE (PRELIMINARY)

NOTE: DESIGN TIP ELEVATIONS ARE TO BE DETERMINED BY CONTRACTOR

**LEGEND:** 

EMBEDDED PILE LENGTH (FT)

TBD

TBD

INDICATES BOTTOM OF FOOTING ELEVATION

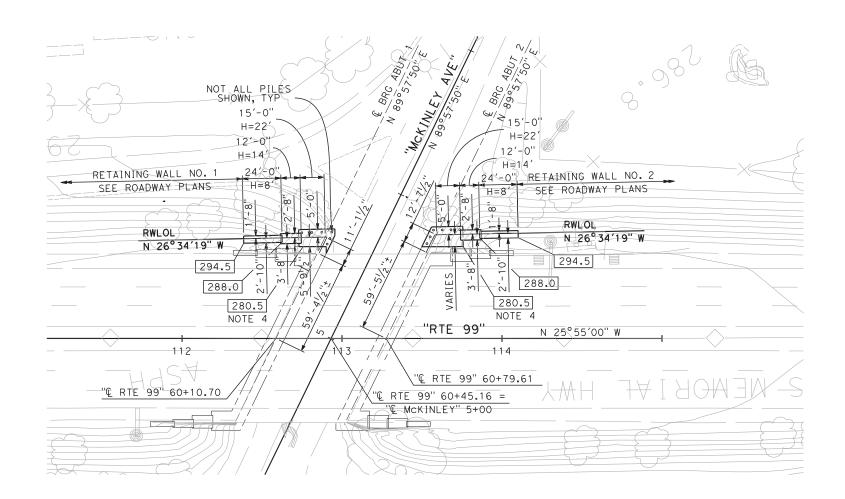
0 INDICATES PC/PS PILE

--- INDICATES EXISTING STRUCTURE

#### NOTES:

- 1. EXISTING BRIDGE, SUBSTRUCTURE, AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY CONTROLLING DIMENSIONS PRIOR TO CONSTRUCTION.
- 2. EXISTING UNDERGROUND AND OVERHEAD UTILITIES TO BE DETERMINED AND RELOCATED AS NEEDED PRIOR TO CONSTRUCTION.
- 3. RIGHT OF WAY LIMITS ARE APPROXIMATE AND TO BE CONFIRMED BY THE CONTRACTOR
- 4. MATCH EXISTING FOOTING ELEVATION





#### PLAN SCALE: 1"=30'

						DESIGNED BY D. FREDERICKS	
						DRAWN BY M. MIYAMOTO	PROPOSED Preliminary
						CHECKED BY H. STRANDGAARD	DESIGN
Н						IN CHARGE F. NOBARI	NOT FOR
REV	DATE	BY	СНК	APP	DESCRIPTION	12/08/11	CONSTRUCTION

2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 

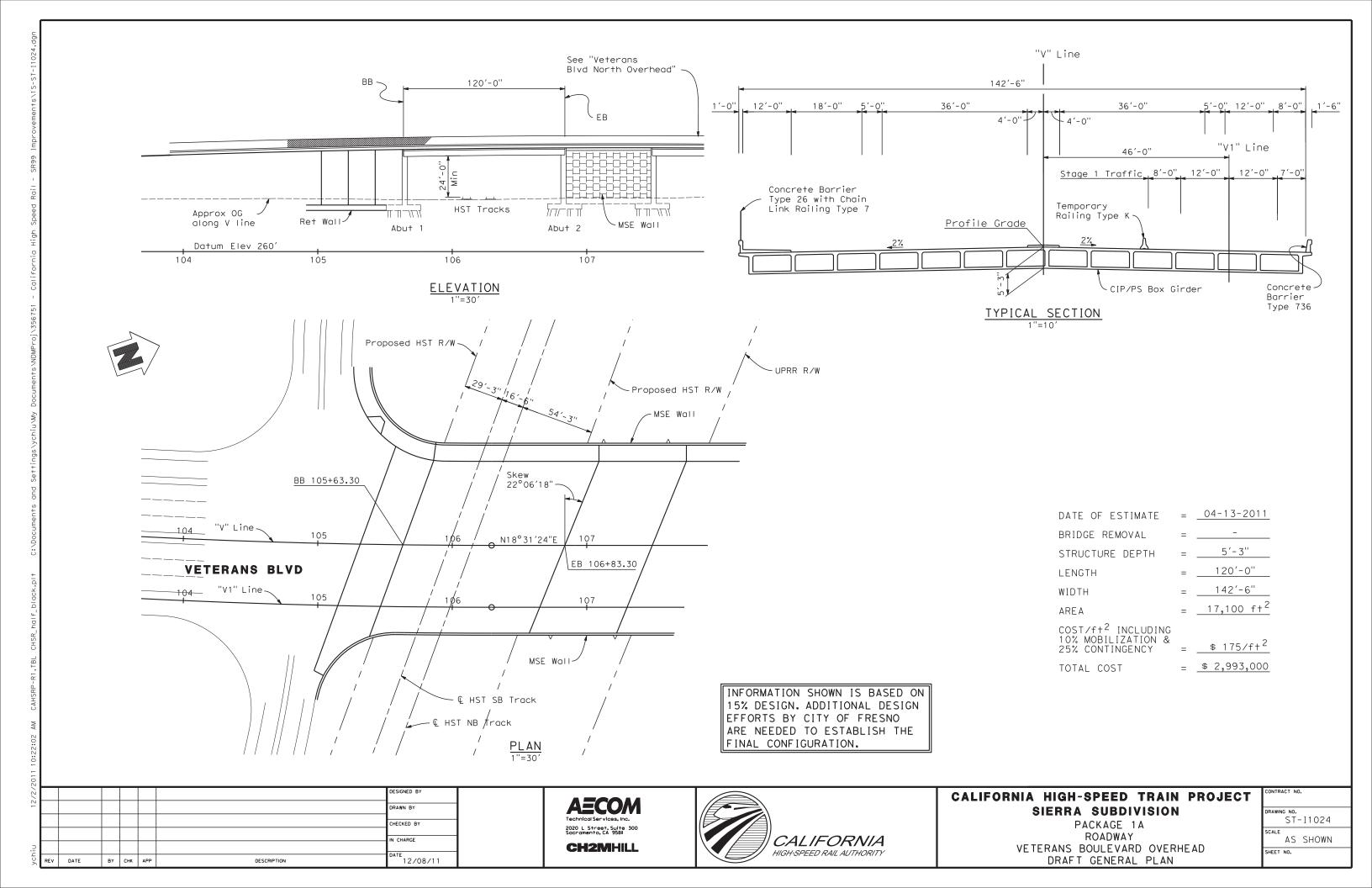


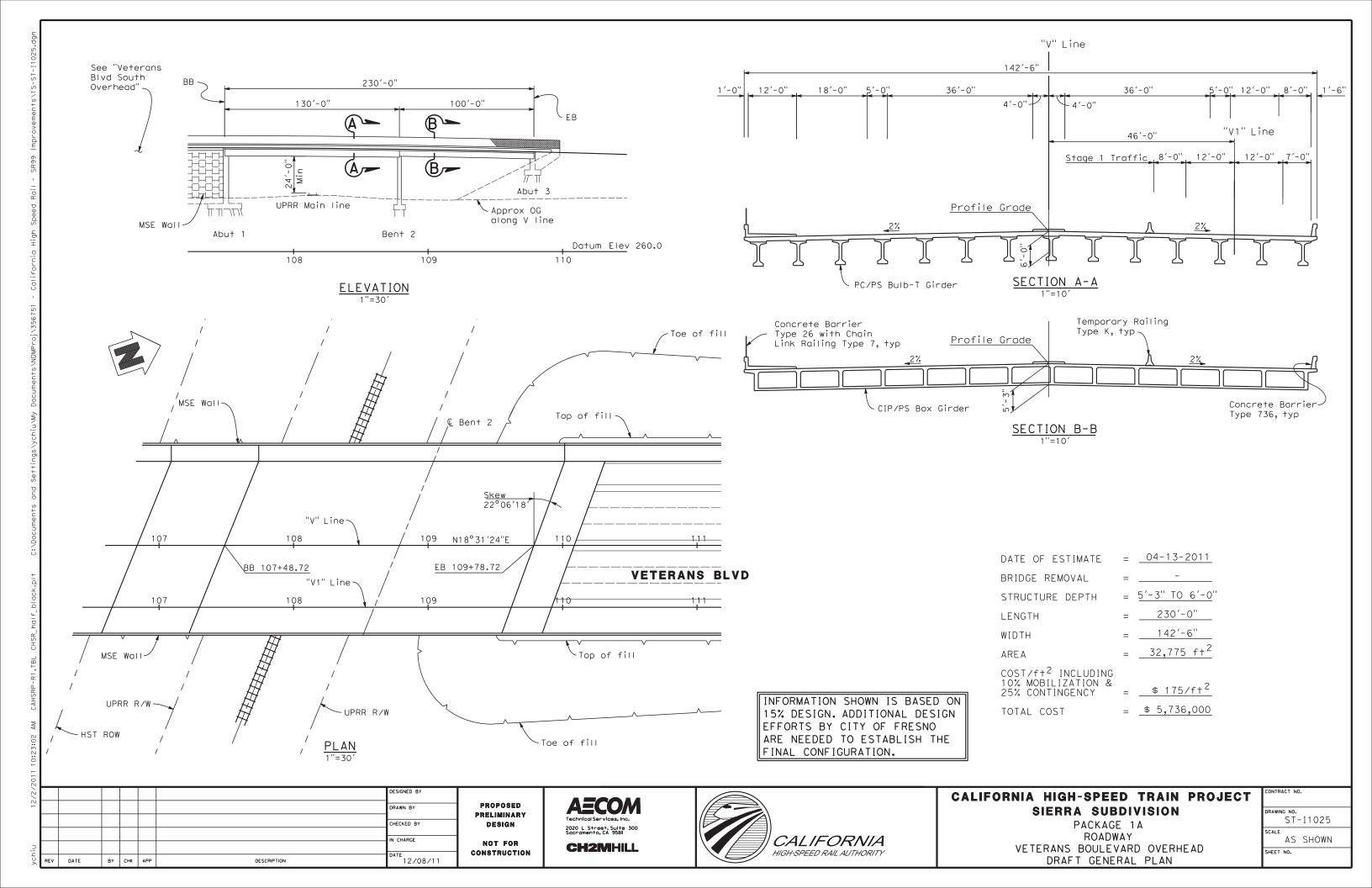
#### CALIFORNIA HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO

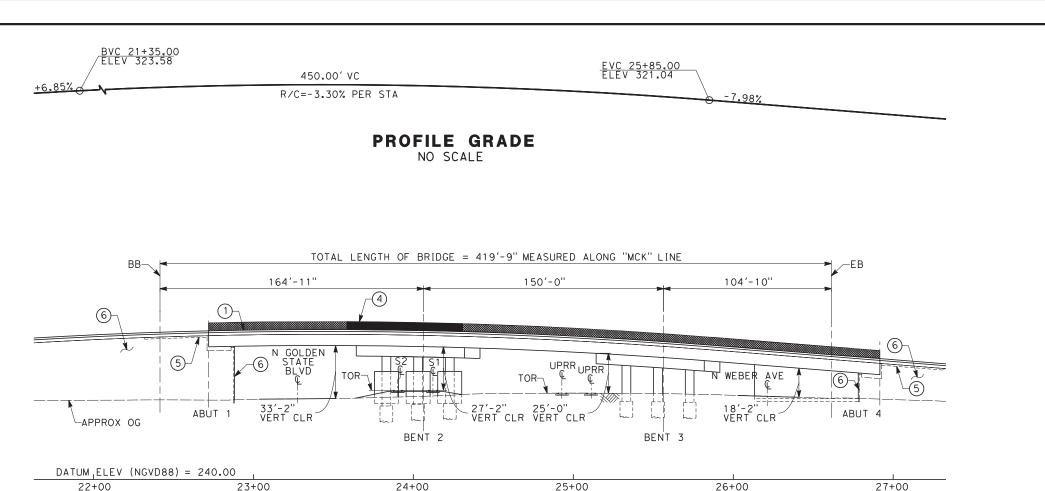
PACKAGE 1A ROADWAY MCKINLEY BLVD UNDERCROSSING (WIDEN) FOUNDATION PLAN

CONTRA	ACT NO	).	
DRAWIN		-I1023	
SCALE			Т
	ΑS	SHOWN	

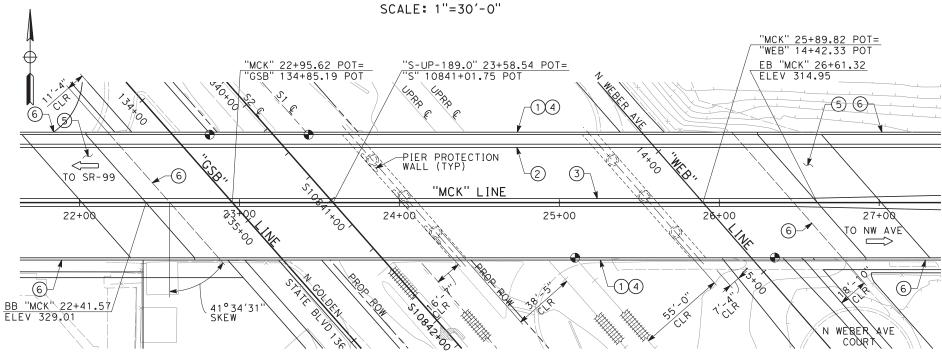
SHEET NO.







### **ELEVATION**



#### **PLAN** SCALE: 1"=30'-0"

#### ESIGNED BY DRAWN BY T. PRETZER HECKED BY CHARGE CONSTRUCTION 02/17/12 BY CHK APP DESCRIPTION

PROPOSED PRELIMINARY DESIGN NOT FOR





#### NOTES:

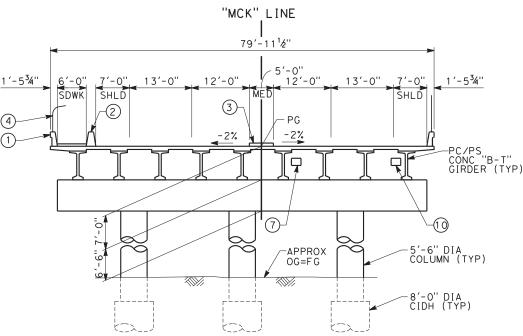
- (1) CONCRETE BARRIER (TYPE 736 MODIFIED)
- (2) CONCRETE BARRIER (TYPE 60)
- (3) BARRIER CURB
- (4) AR FENCE
- (5) STRUCTURE APPROACH SLAB
- (6) MSE RETAINING WALL
- (7) FUTURE UTILITY OPENING
- (8) FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS.
- (9) FOR INTRUSION DETECTION/PROTECTION, SEE ALIGNMENT PLANS.
- (10) OPENING FOR RELOCATED WATER LINE

#### LEGEND:

INDICATES DIRECTION OF TRAFFIC

INDICATES POINT OF MINIMUM VERTICAL CLEARANCE

INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK



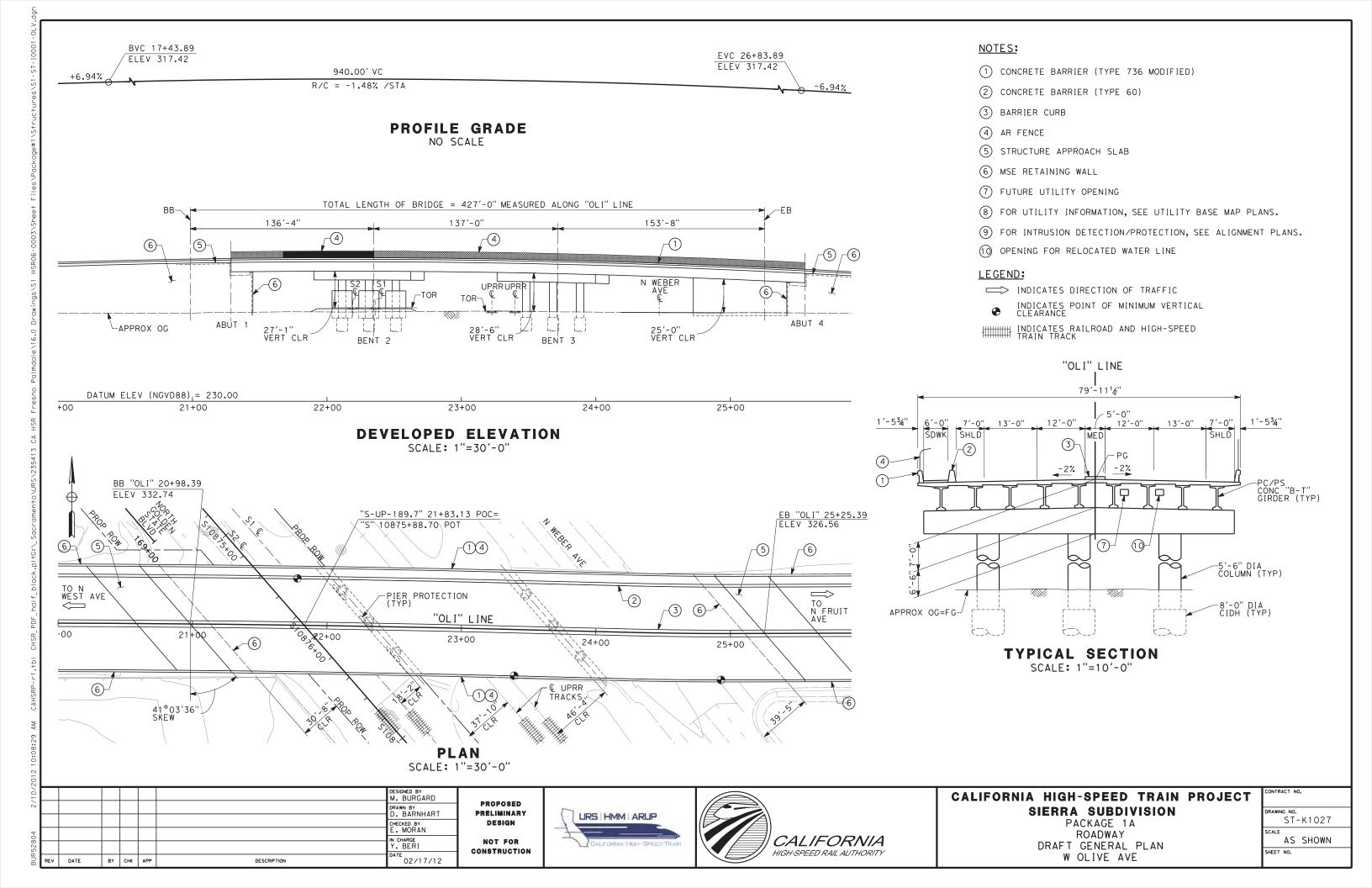
TYPICAL SECTION SCALE: 1"=10'-0"

CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

> PACKAGE 1A ROADWAY DRAFT GENERAL PLAN W MCKINLEY AVE

ST-K1026

AS SHOWN



NOTES: 400.00' VC 1) CONCRETE BARRIER (TYPE 736 MODIFIED) -5.00% R/C = -2.50% / STA+5.00% BVC 18+25.66 EVC 22+25.66 2 AR FENCE ELEV 324.00 ELEV 324.00 3 BARRIER CURB PROFILE GRADE (4) STRUCTURE APPROACH SLAB NO SCALE (5) MSE RETAINING WALL 6 FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS. 7 FOR INTRUSION DETECTION/ PROTECTION, SEE ALIGNMENT TOTAL LENGTH OF BRIDGE = 653'-10" MEASURED ALONG "BEL" LINE 135'-4" 134'-3" 115'-0" 139'-3" 130'-0" PLANS. 8 SEE NEXT SHEET (ST-K1029) FOR TYPICAL SECTION **LEGEND:** H ST/ N WEBER AVE UPRRUPRR (5) 26'-10" VERT CLR INDICATES DIRECTION OF ENTIRE EX. BRIDGE TO BE REMOVED \_ EX. UPRR BRIDGE INDICATES POINT OF MINIMUM 33'-1" VERT CLR VERTICAL CLEARANCE 55'-5" VERT CLR BENT 5 └APPROX OG ABUT 6 INDICATES RAILROAD AND HIGH-SPEED TRAIN TRACK BENT 4 ABUT 1 BENT 3 BENT 2 DATUM ELEV (NGVD88), = 230.00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 **ELEVATION** SCALE: 1"=30'-0" EB "BEL" 23+40.51 ELEV 318.26 TO N FRUIT AVE (5)\_\* -(3) "BEL" LINE 20+00 22+00 23+00 24+00 7+00 18+00 19+00 TO HARRISON ===> (5)\_ 4 5 12 BB "BEL" 16+86.68 ELEV 317.06 -ENTIRE EX. BRIDGE BENEATH TO BE REMOVED 40°57′48" SKEW "S-UP-190.3" 17+64.00 POT= "S" 10910+92.01 POC TRENCH RETAINING WALL (TYP)-**PLAN** SCALE: 1"=30'-0" DESIGNED BY L. SMITH CALIFORNIA HIGH-SPEED TRAIN PROJECT PROPOSED DRAWN BY T. PRETZER SIERRA SUBDIVISION PRELIMINARY URS HMM ARUP ST-K1028 DESIGN PACKAGE 1A CHECKED BY ROADWAY **CALIFORNIA** Y. BERI AS SHOWN NOT FOR DRAFT GENERAL PLAN CONSTRUCTION HIGH-SPEED RAIL AUTHORITY SHEET NO. BELMONT AVE 02/17/12 DATE BY CHK APP DESCRIPTION

## "BEL" LINE 69'-11½" 11'-0" 11'-0" 7'-0"4'-0" 1'-534" 1'-5¾" 7'-0" 11'-0" 11'-0" 5'-0' MED -PC/PS CONC "B-T" GIRDER (TYP) -5'-6" DIA COLUMN (TYP) 4 /APPROX OG=FG -8'-0" DIA CIDH (TYP) TYPICAL SECTION

### SCALE: 1"=10'-0"

DESIGNED BY DRAWN BY T. PRETZER CHECKED BY N CHARGE CONSTRUCTION TE 02/17/12 BY CHK APP DESCRIPTION

PROPOSED PRELIMINARY DESIGN NOT FOR





PACKAGE 1A ROADWAY DRAFT GENERAL PLAN BELMONT AVE

CONTRACT NO.
DRAWING NO. ST-K1029

AS SHOWN SHEET NO.

1 CONCRETE BARRIER (TYPE 736 MODIFIED)

5 FOR UTILITY INFORMATION, SEE UTILITY BASE MAP PLANS. (6) FOR INTRUSION DETECTION/PROTECTION, SEE ALIGNMENT PLANS.

NOTES:

2 AR FENCE 3 BARRIER CURB

4 FUTURE UTILITY OPENING

CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

- 2. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH LOCAL AND STATE JURISDICTION INSPECTOR(S). NOTIFY LOCAL AND STATE JURISDICTION INSPECTOR(S)...... DAYS PRIOR TO THE START OF ANY CONSTRUCTION.
- 3. ALL DAMAGE CAUSED BY THE PROJECT SHALL BE RESTORED TO AN "AS GOOD OR BETTER" CONDITION.
- 4. LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL UPON PROJECT COMPLETION.
- FOR STANDARD GENERAL ABBREVIATIONS, SEE DRAWINGS SD-GE-001 THRU SD-GE-004.
- 6. FOR STANDARD GENERAL SYMBOLS, SEE DRAWINGS SD-GE-005 THRU SD-GE-007.
- 7. "ORIGINAL GROUND" SHOWN ON CROSS SECTIONS REFERS TO THE APPROXIMATE EXISTING GROUND LINE AT THE DESIGNATED CENTERLINE, BASELINE, LAYOUT LINE OR SECTION LINE.
- 8. MAINTAIN EXISTING SITE SURVEY CONTROL POINTS AND BENCH MARKS. SURVEY CONTROL POINTS OR BENCH MARKS DAMAGED OR REMOVED AS A RESULT OF THE PROJECT SHALL BE RESTORED BY A REGISTERED LAND SURVEYOR.
- 9. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL CODES AND ORDINANCES IN EFFECT. PROVIDE AND MAINTAIN PROPER BARRICADES, RAILINGS, GUARDS, FLAGGING, LIGHTING, OR OTHER DEVICES NECESSARY FOR THE PROTECTION OF LIFE AND PROPERTY.
- 10. VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING MATERIALS.
- 11. ALL HORIZONTAL AND VERTICAL DISTANCES ARE IN FEET AND /OR DECIMALS OF FOOT EXCEPT AS NOTED OTHERWISE.
- 12. ACCESS ROAD TYPE SHALL BE CONFIRMED ON A SITE-BY-SITE BASIS.
- B. DEMOLITION NOTES
  - 1. REVIEW ALL ENVIRONMENTAL STUDIES AND REQUIREMENTS PRIOR TO BIDDING.
  - 2. MAINTAIN TEMPORARY ACCESS DURING CONSTRUCTION. UTILITY OUTAGE AND ACCESS CLOSURES DURING CONSTRUCTION REQUIRE A MINIMUM OF \_\_\_\_\_\_ DAYS NOTICE TO OWNER OR SITE TENANTS
  - 3. FOLLOW LOCAL JURISDICTION REQUIREMENTS FOR CLEARING AND GRUBBING.

#### C. GRADING

- 1. DO NOT PERFORM ANY GRADING OPERATION SO AS TO CAUSE FALLING ROCKS, SOIL OR DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW ONTO ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATION OCCUR ALL NECESSARY REMEDIAL ACTIONS MUST BE MADE IMMEDIATELY.
- 2. KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE.
- 3. PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATERS FROM DAMAGING THE CUT FACE OF AN EXCAVATION OR THE SLOPED SURFACES OF A FILL. FURTHERMORE, PROVISIONS SHALL BE MADE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE SITE.
- 4. ALL SLOPED AND EXPOSED AREAS SHALL BE SODDED OR PLANTED AS SOON AS FINAL GRADES HAVE BEEN ESTABLISHED. PLANTING SHALL NOT BE DELAYED UNTIL ALL GRADING WORK HAS BEEN COMPLETED. GRADING TO FINAL GRADE SHALL BE CONTINUOUS, AND ANY AREA WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED SHALL BE PLANTED.
- 5. THE LIMITS OF THE AREA TO BE GRADED SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF THE GRADING WORK.
- 6. ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE WATER POLLUTION CONTROL AND WATER QUALITY STANDARDS CONTAINED IN THE LATEST CALTRANS STORM WATER QUALITY HANDBOOKS.
- D. TEMPORARY TRAFFIC CONTROL
  - 1. OBTAIN APPROVAL FOR TRAFFIC CONTROL PLAN FROM AGENCY HAVING JURISDICTION OVER THE ROADWAY PRIOR TO IMPLEMENTATION OF TEMPORARY TRAFFIC CONTROL.
- E. PUBLIC HEATH, SAFETY, AND CONVENIENCE NOTES
  - 1. OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY, AND ENVIRONMENTAL QUALITY.
  - 2. APPLY FOR A CONSTRUCTION PERMIT WITH A NOISE POLLUTION CONTROL PLAN.
- F. STOCKPILING NOTES
  - 1. IF THE STOCKPILING WORK INVOLVES CONTAMINATED SOIL, THEN ALL STOCKPILING WORK SHALL BE DONE IN CONFORMANCE WITH APPLICABLE STATE AND FEDERAL REQUIREMENTS.
- G. GRUBBING AND CLEARING NOTES
  - 1. WHERE APPLICABLE AND FEASIBLE THE MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY GRUBBING WORK IS INITIATED.

#### H. ADDITIONAL INFORMATION

1. THE FOLLOWING TABLES PROVIDE INFORMATION ON THE DESIGN SPEED OF CITY OF FRESNO ROADWAYS WITHIN THE LIMITS OF WORK:

#### DESIGN SPEED TABLE (NORTH OF CLINTON AVE)

STREET NAME	ALIGNMENT DESIGNATION	DESIGN SPEED (MPH)
GOLDEN STATE BLVD	G1	45
GOLDEN STATE BLVD	G2	40*
GOLDEN STATE BLVD	G3	45
GOLDEN STATE BLVD (SOUTH OF SWIFT AVE)	G3	35
SHAW AVE	SH	35
CORNELIA AVENUE/SANTA ANA AVENUE	CS	30
VETERANS BLVD	V	45*
VETERANS BLVD RAMP	VR	25*
BULLARD AVENUE	BU	40*
CLINTON AVE	С	45
ASHLAN AVE	AS	40
BARSTOW AVENUE	В	25
KATHRYN WAY	К	25
STATE AVENUE	ST	25
MARKET AVENUE	М	25
MOTEL DRIVE	AS6	25
ASHLAN/MOTEL DRIVE RIGHT TURN	AS7	25
JENNIFER AVENUE	J	25

\*15% DESIGN - PENDING UPDATES BY CITY OF FRESNO

#### DESIGN SPEED TABLE (SOUTH OF CLINTON AVE)

STREET NAME	ALIGNMENT DESIGNATION	DESIGN SPEED (MPH)
W MCKINLEY AVE	MCK	30
W OLIVE AVE	OLI	35
BELMONT AVE	BEL	30
MCKINLEY AVE CONNECTOR	MCC	30
N GOLDEN STATE BLVD	GSB	50
N WEBER AVE	WEB	40
N H ST	HS	35
N WESLEY AVE	WSL	<20
N WEST AVE	WES	30
N CARUTH AVE	CAR	30
N FARRIS AVE	FAR	30

| DESIGNED BY | V. CHIO | DRAWN BY | D. ELKINS | CHECKED BY | D. ELKINS | CHECKED BY | D. ELKINS | CHECKED BY | D. ELKINS | D.

PROPOSED Preliminary Design

NOT FOR CONSTRUCTION

AECOM Technical Services, Inc. 2020 L Street, Sulte 300 Socramento, CA 958II



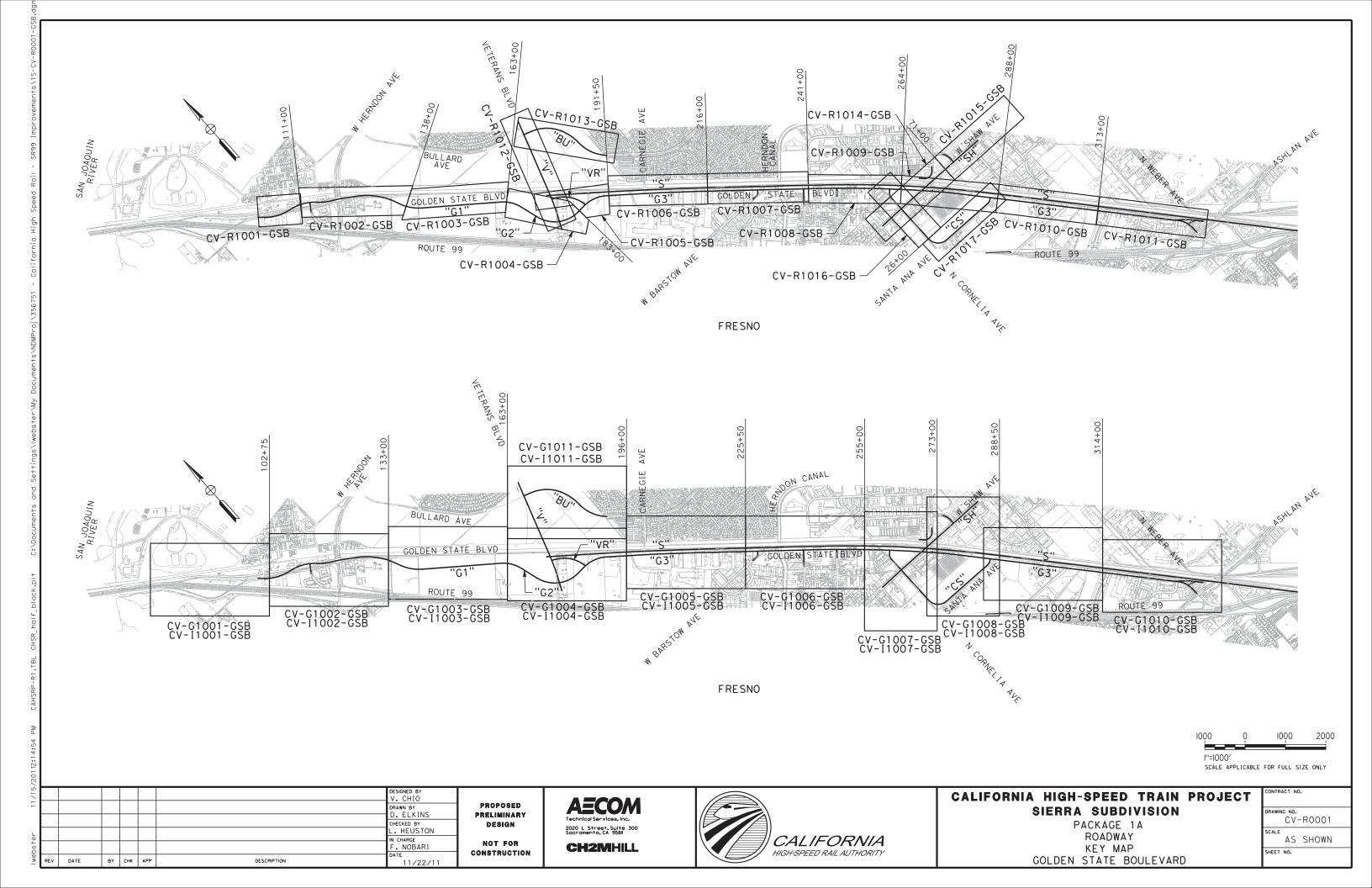
## CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

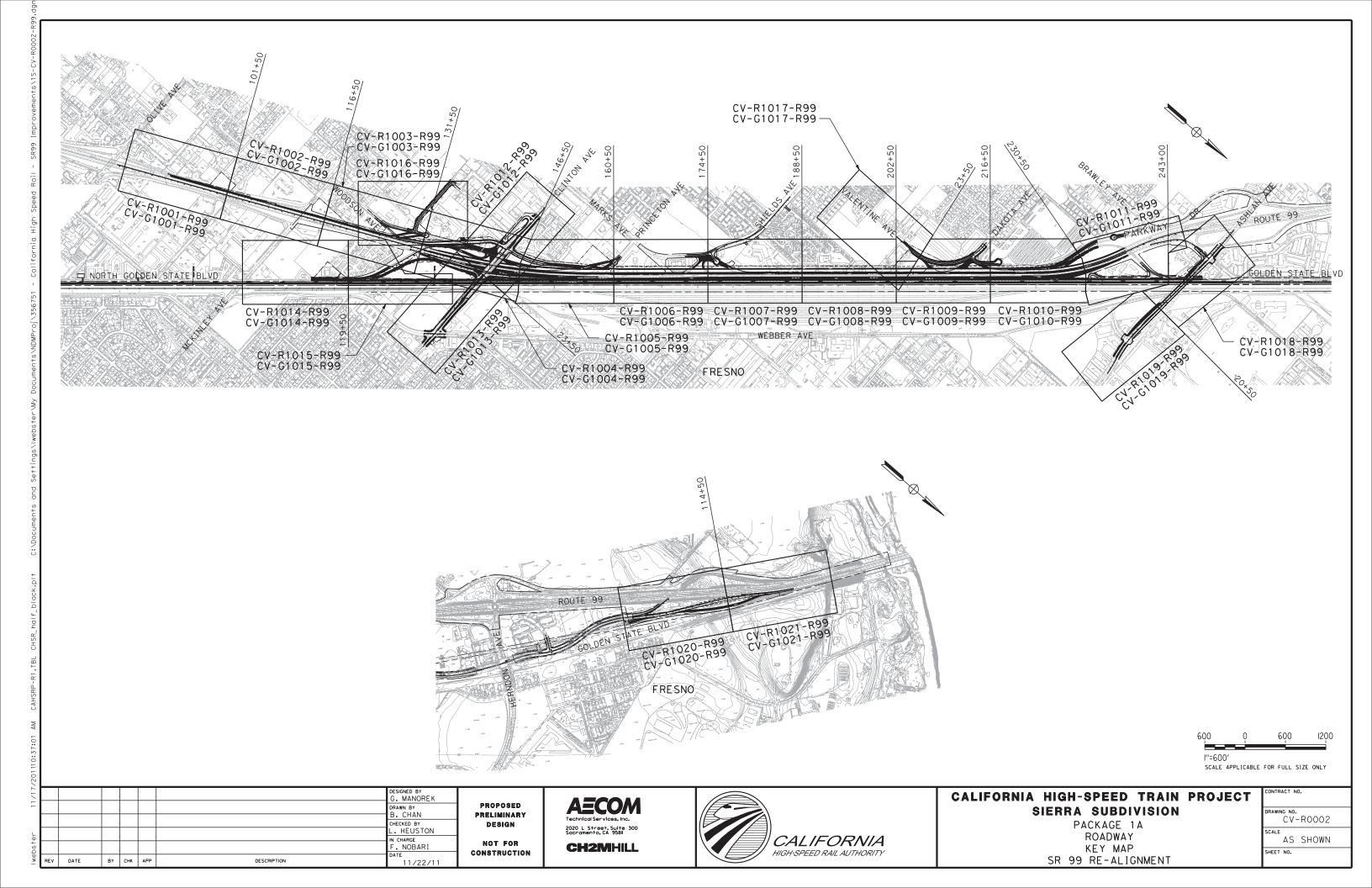
PACKAGE 1A ROADWAY GENERAL NOTES DRAWING NO.

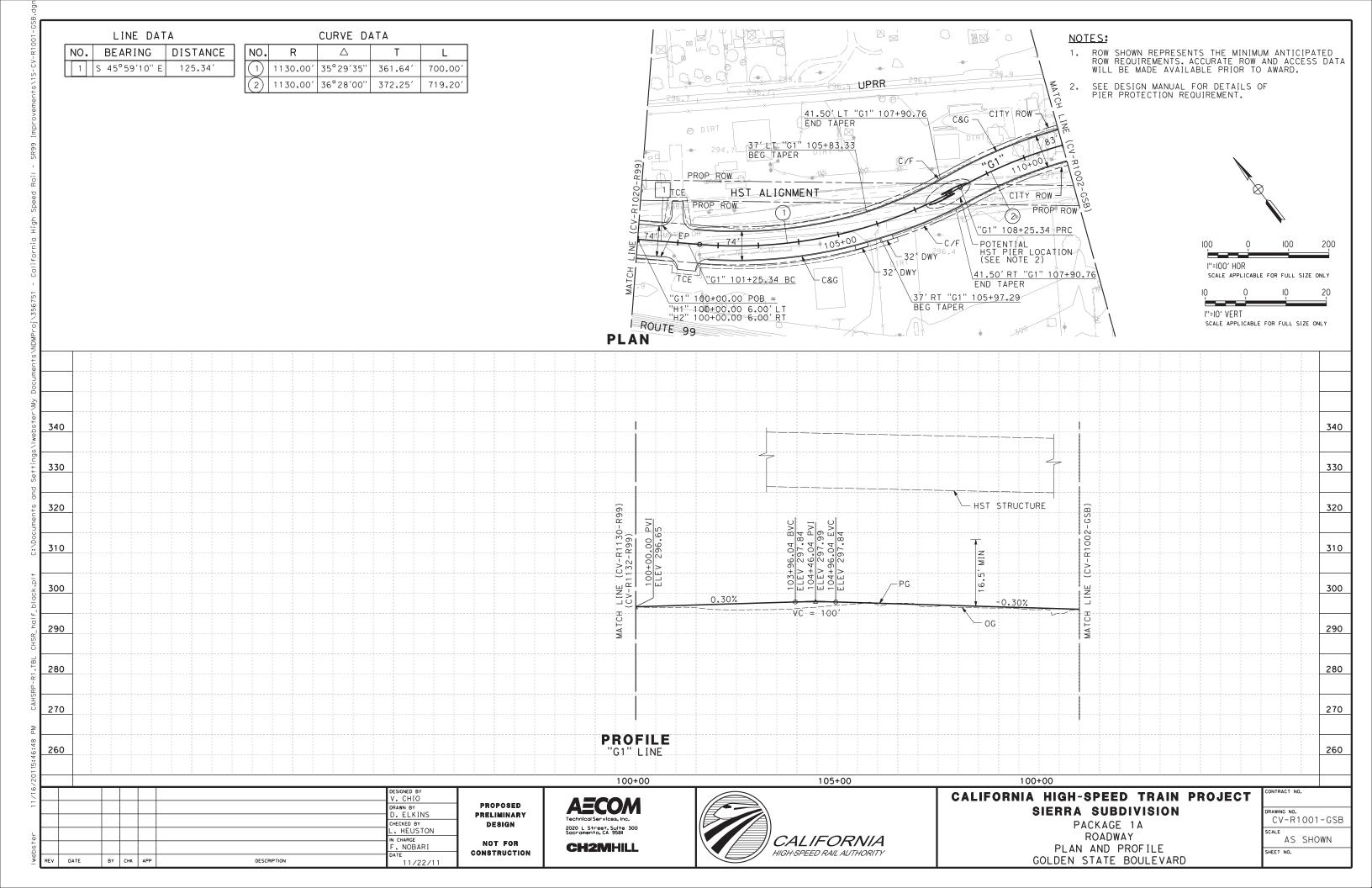
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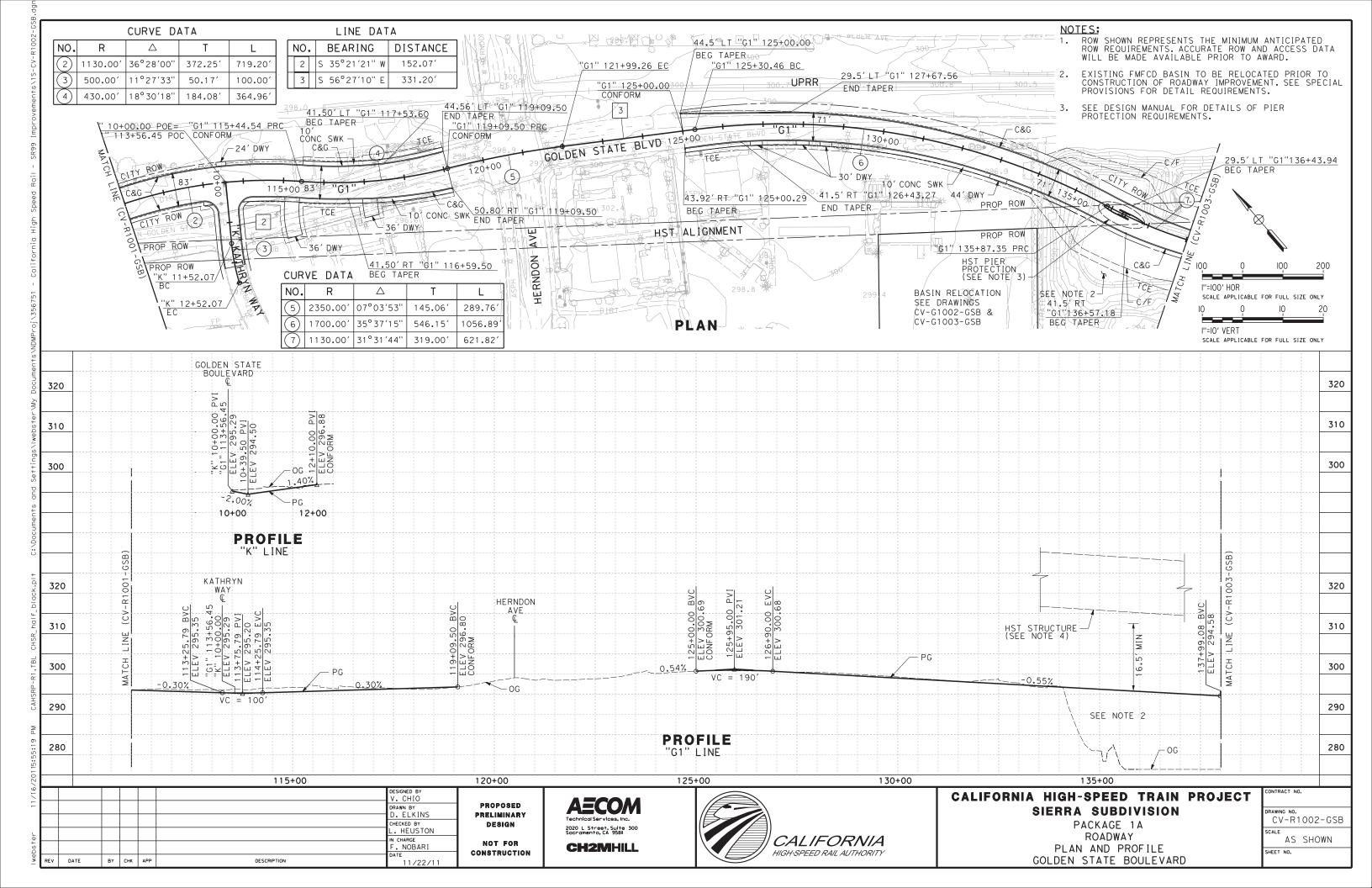
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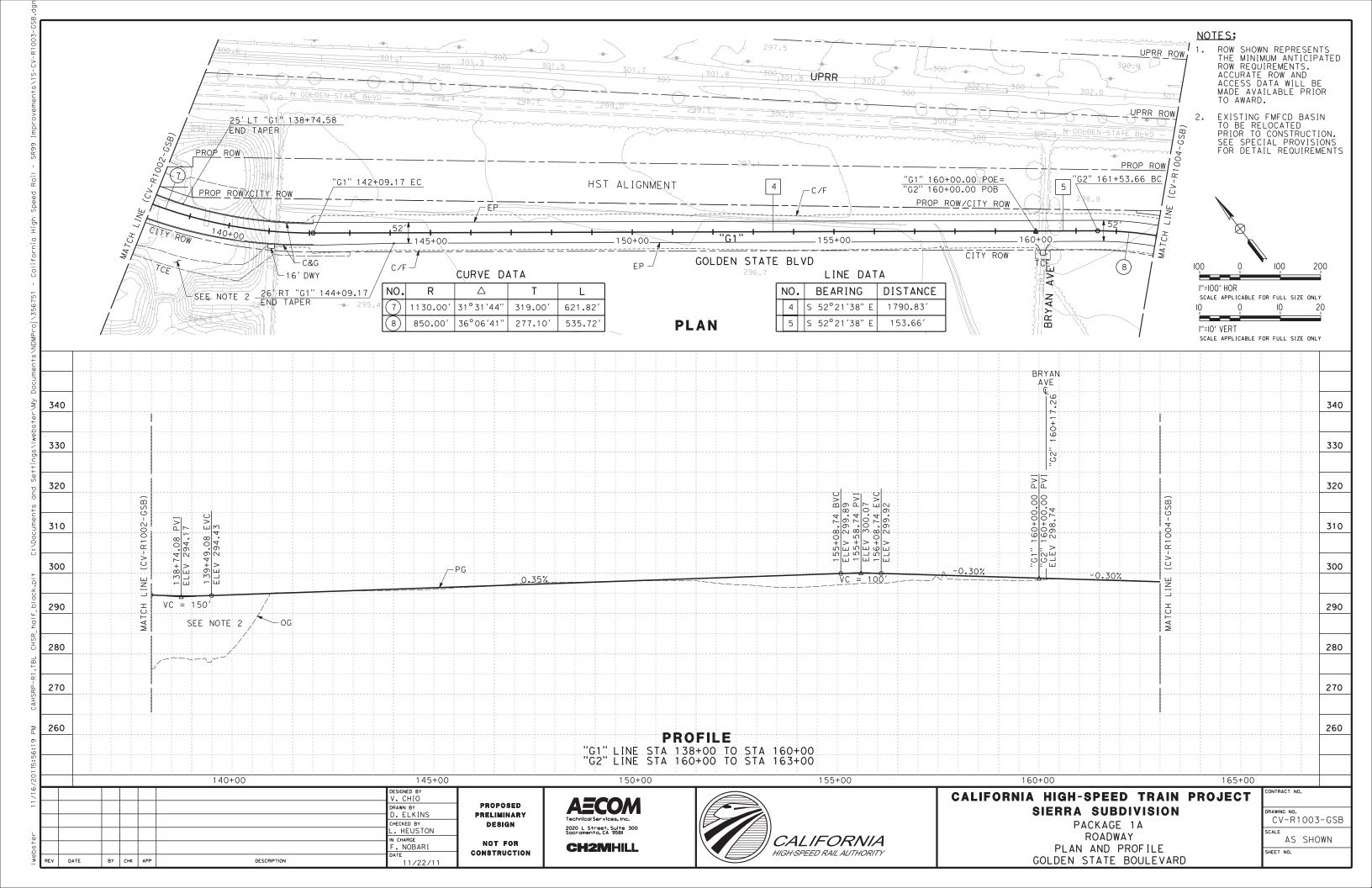
AS SHOWN

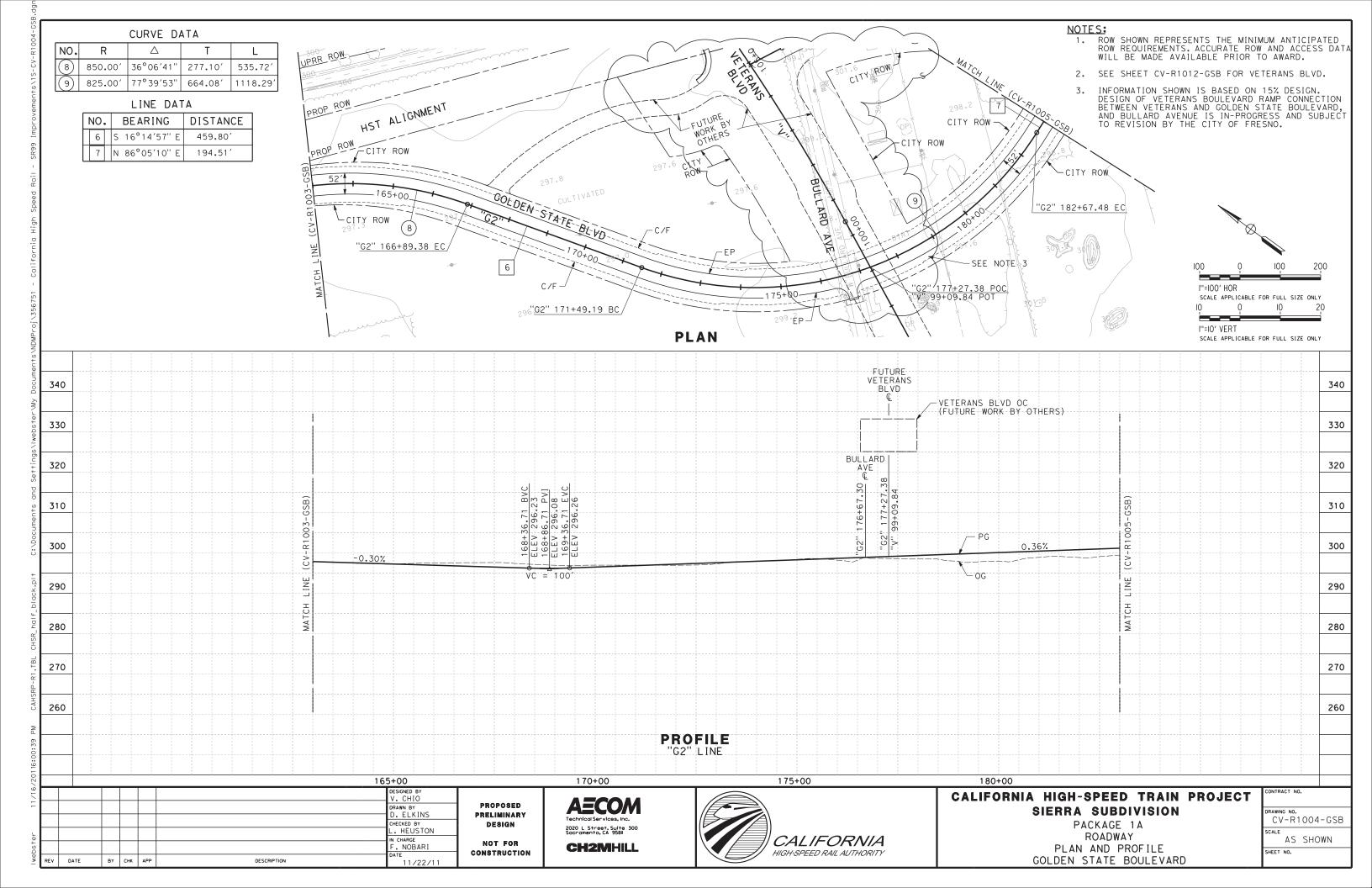


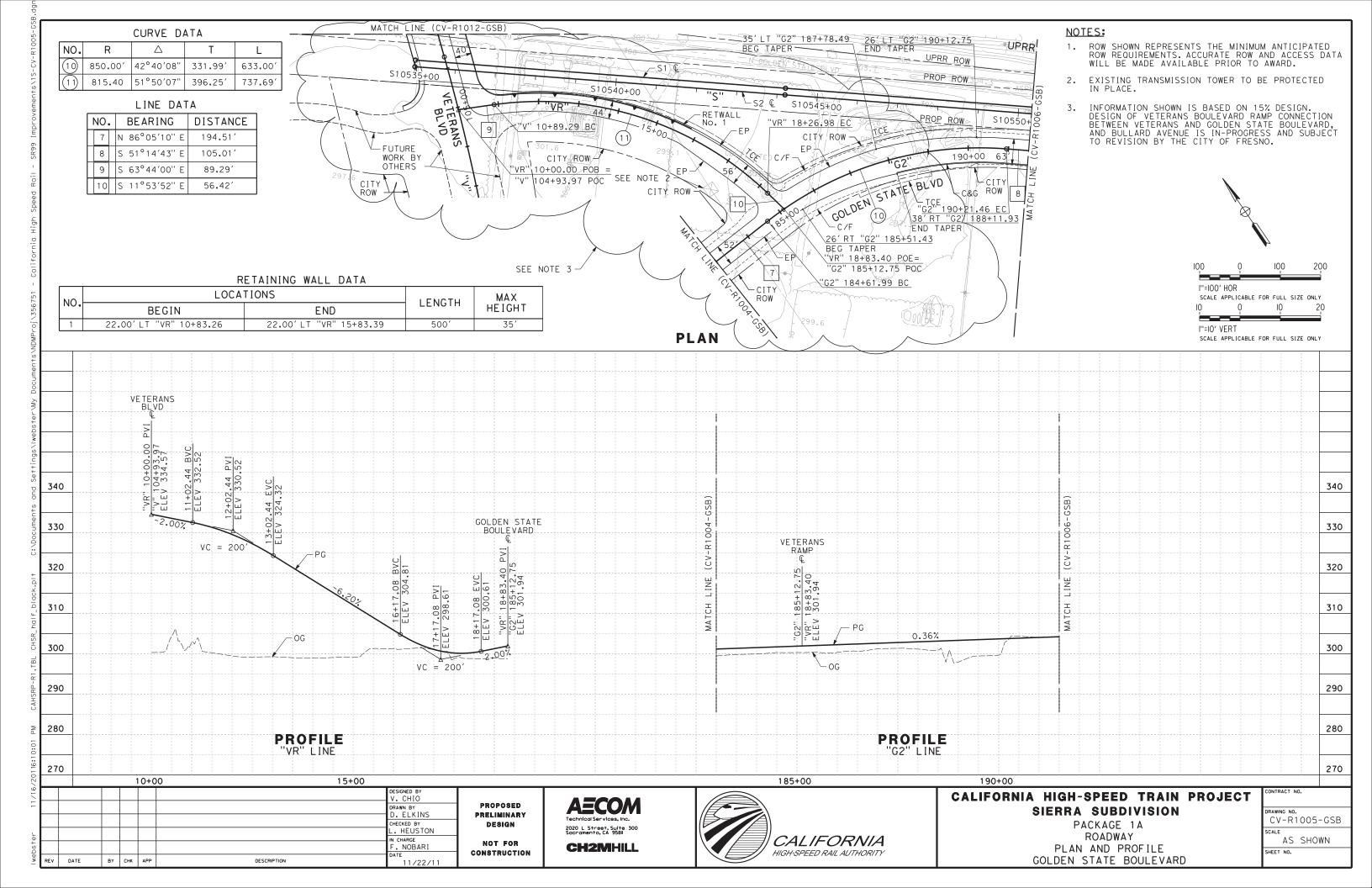


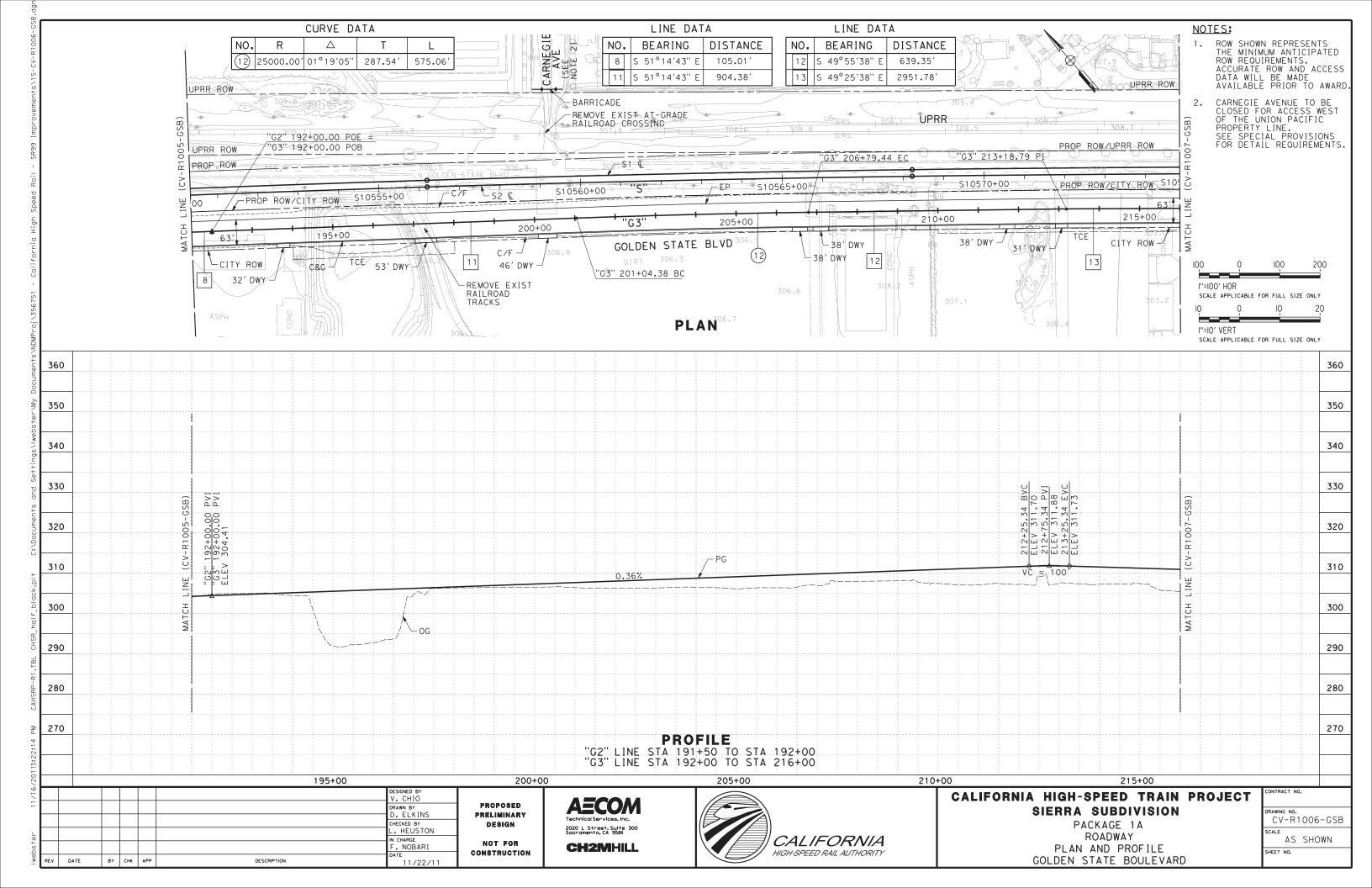


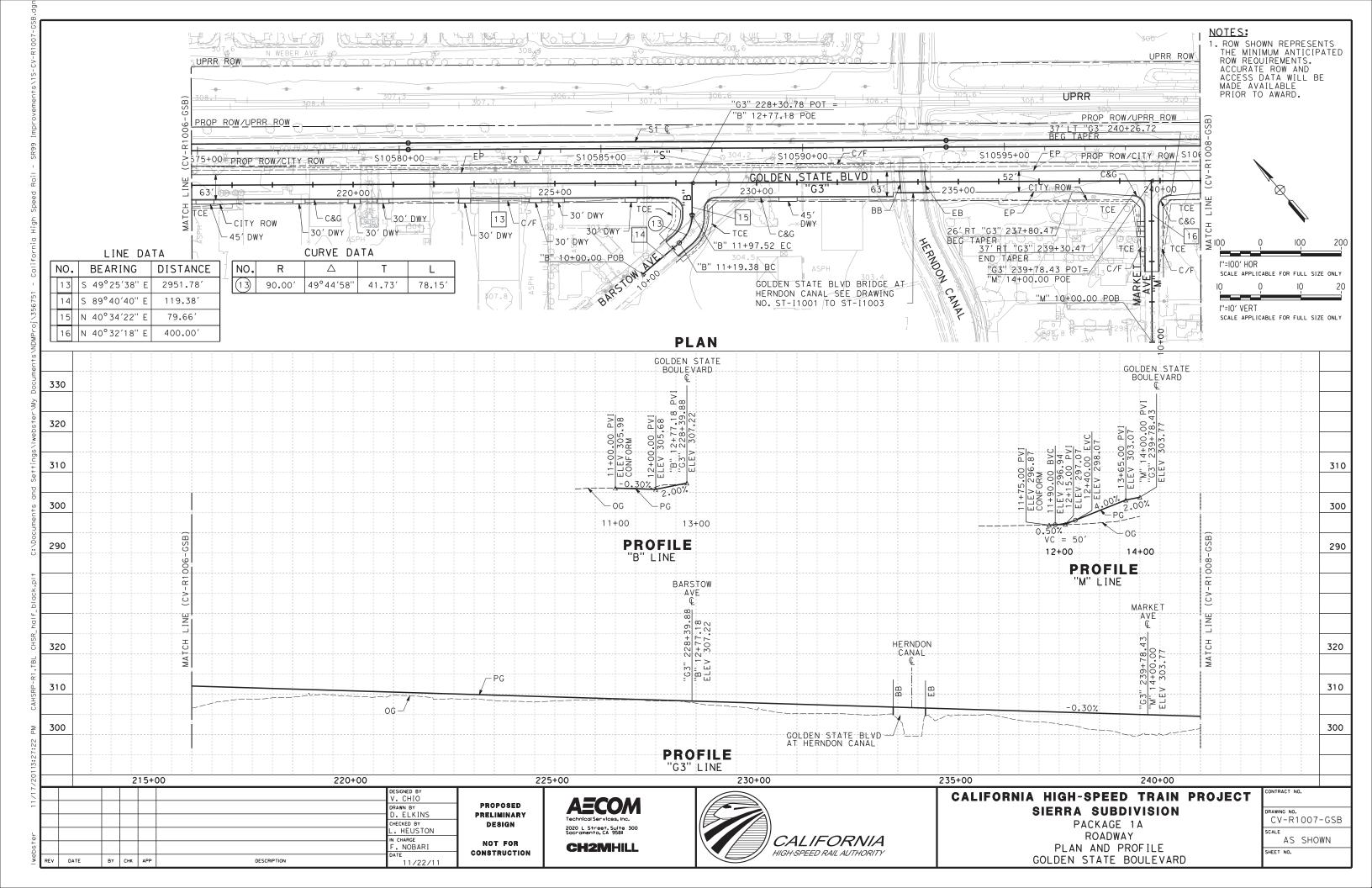


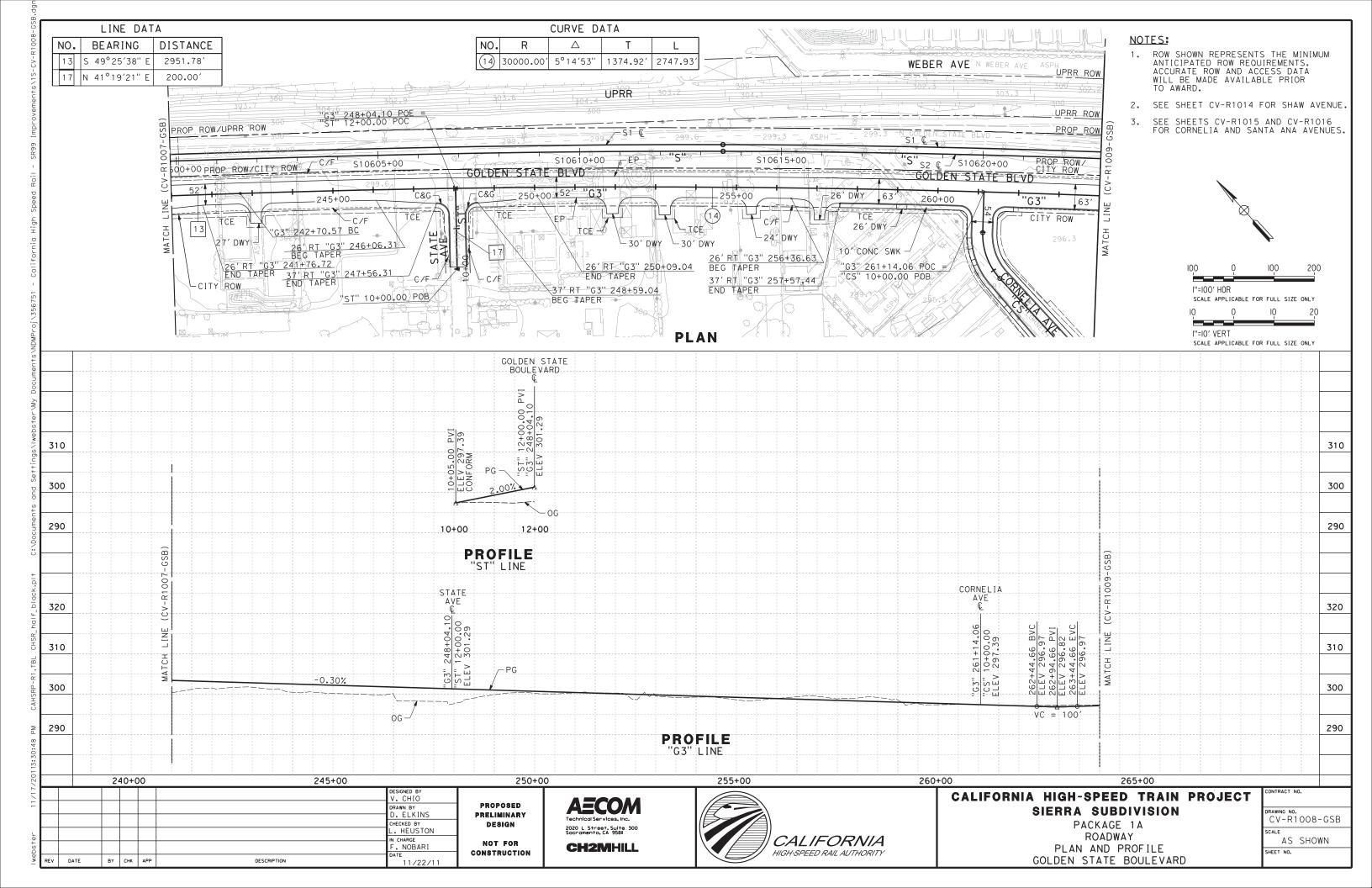


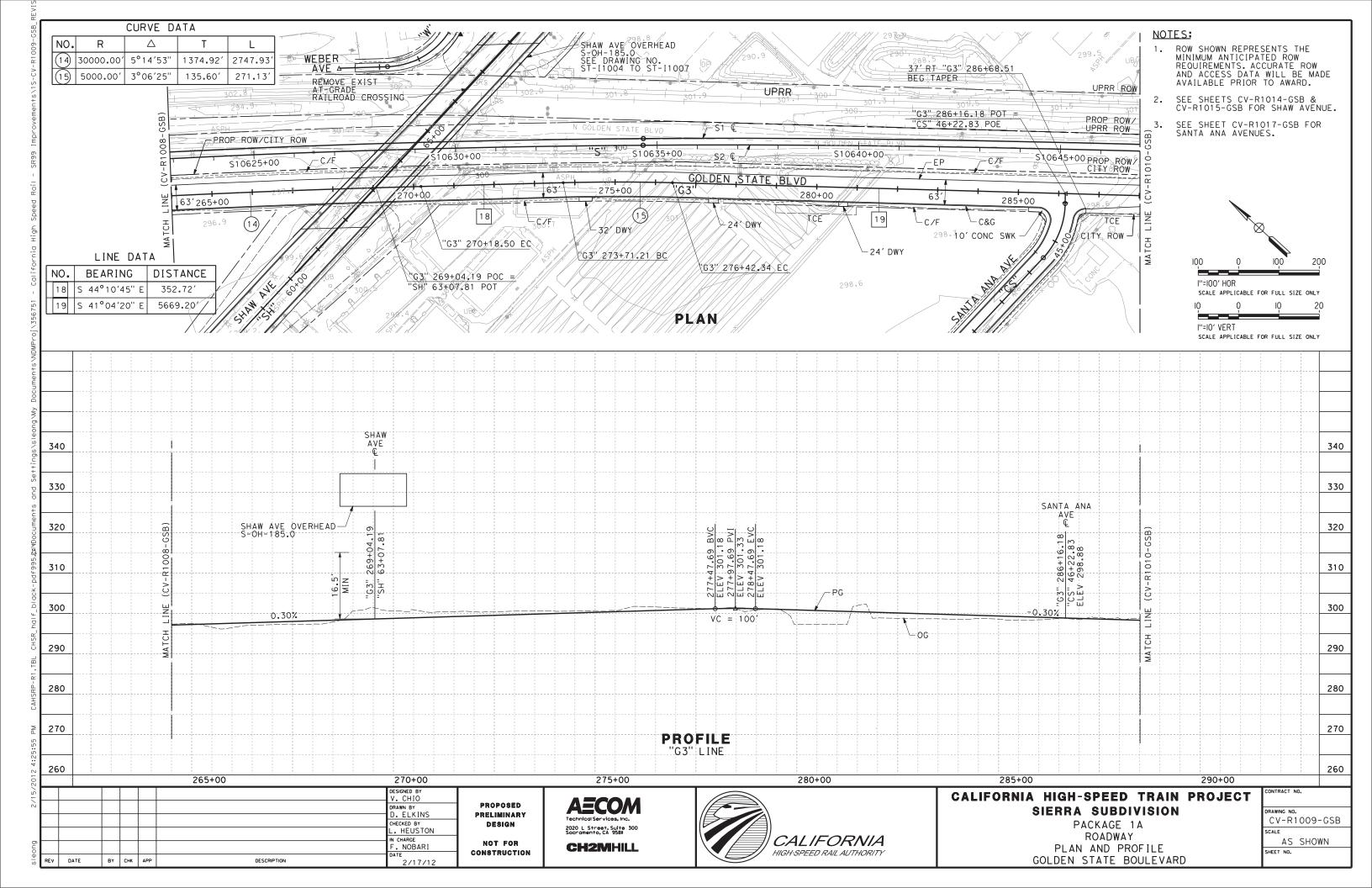


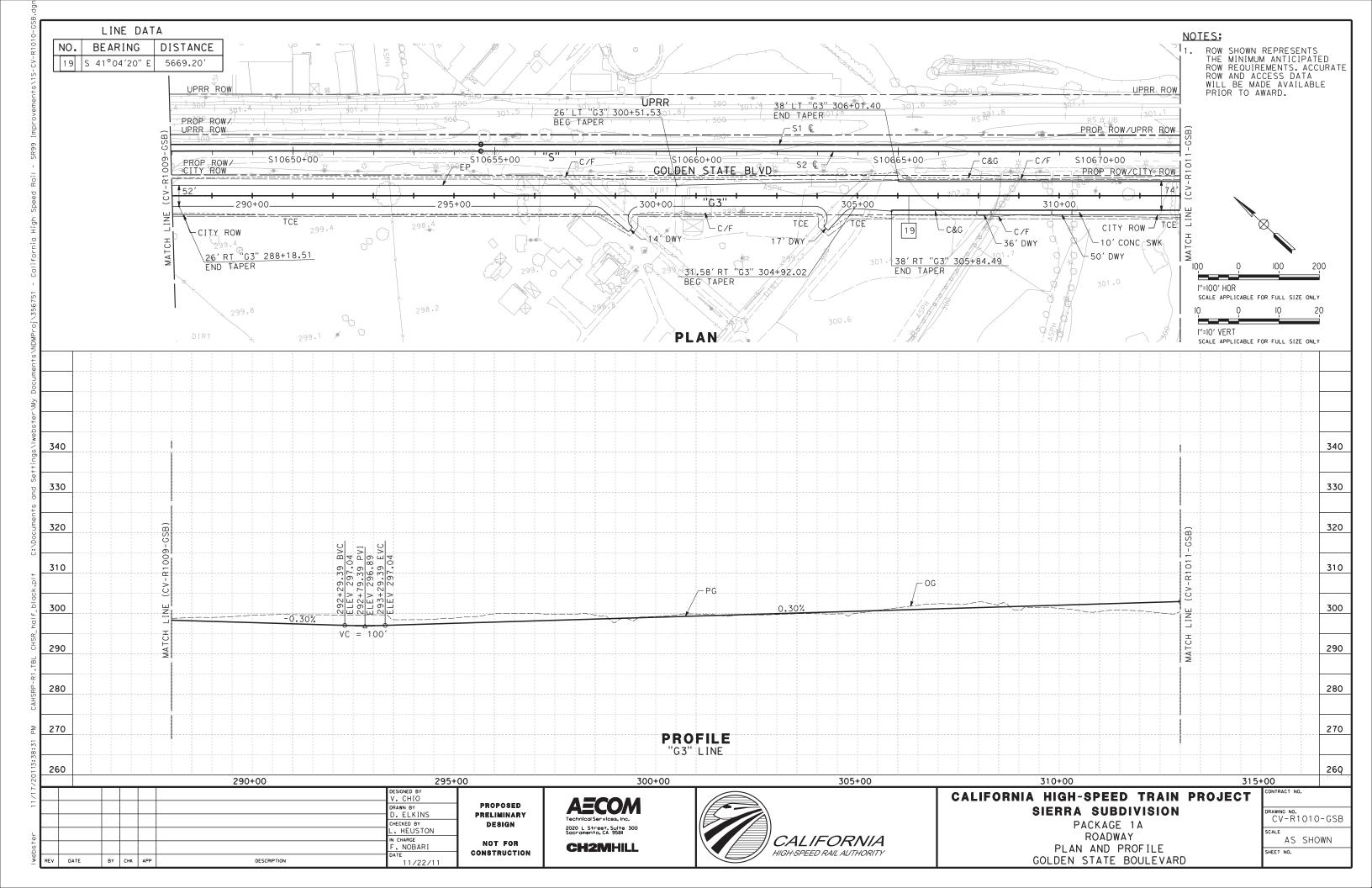


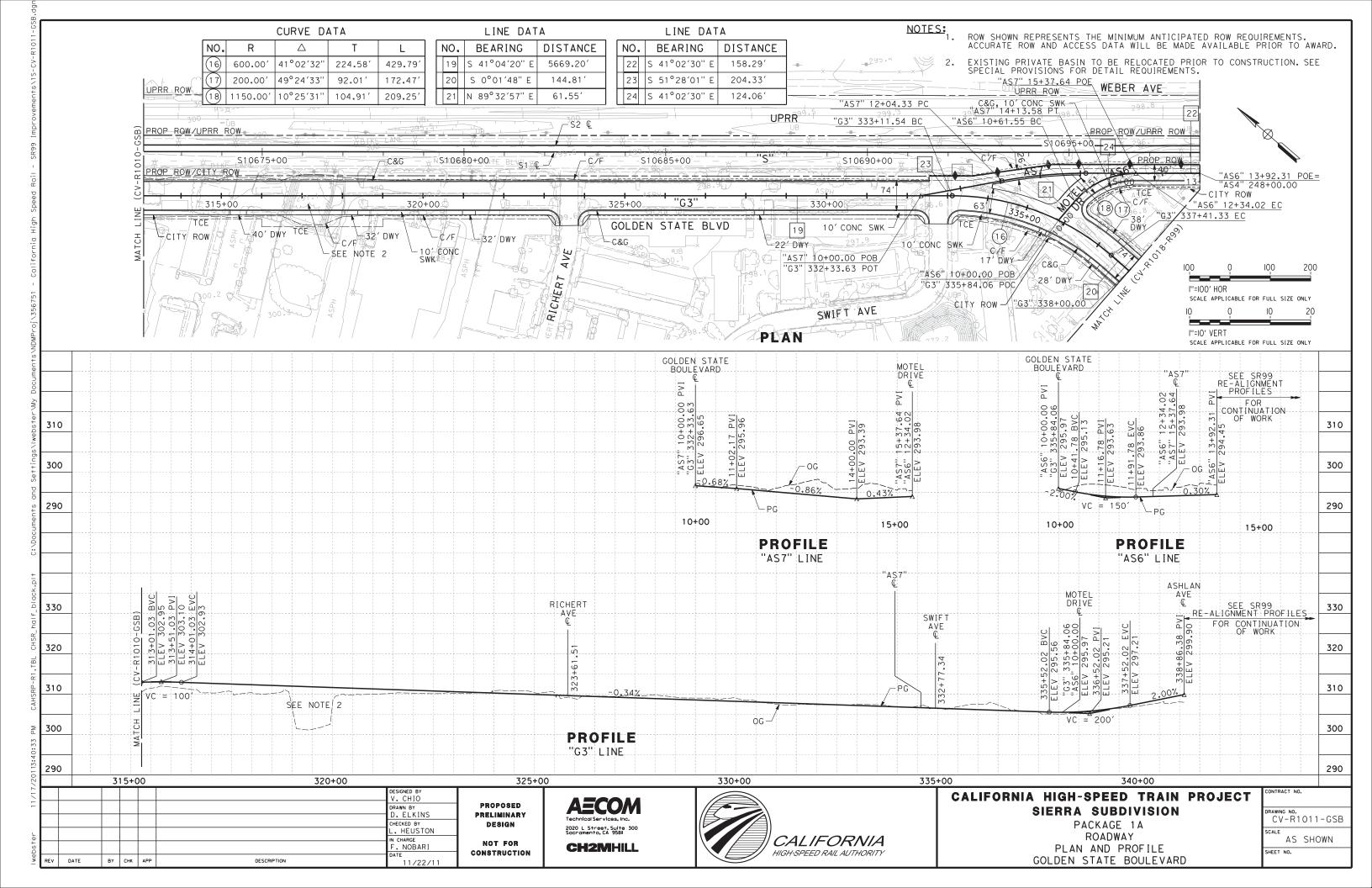


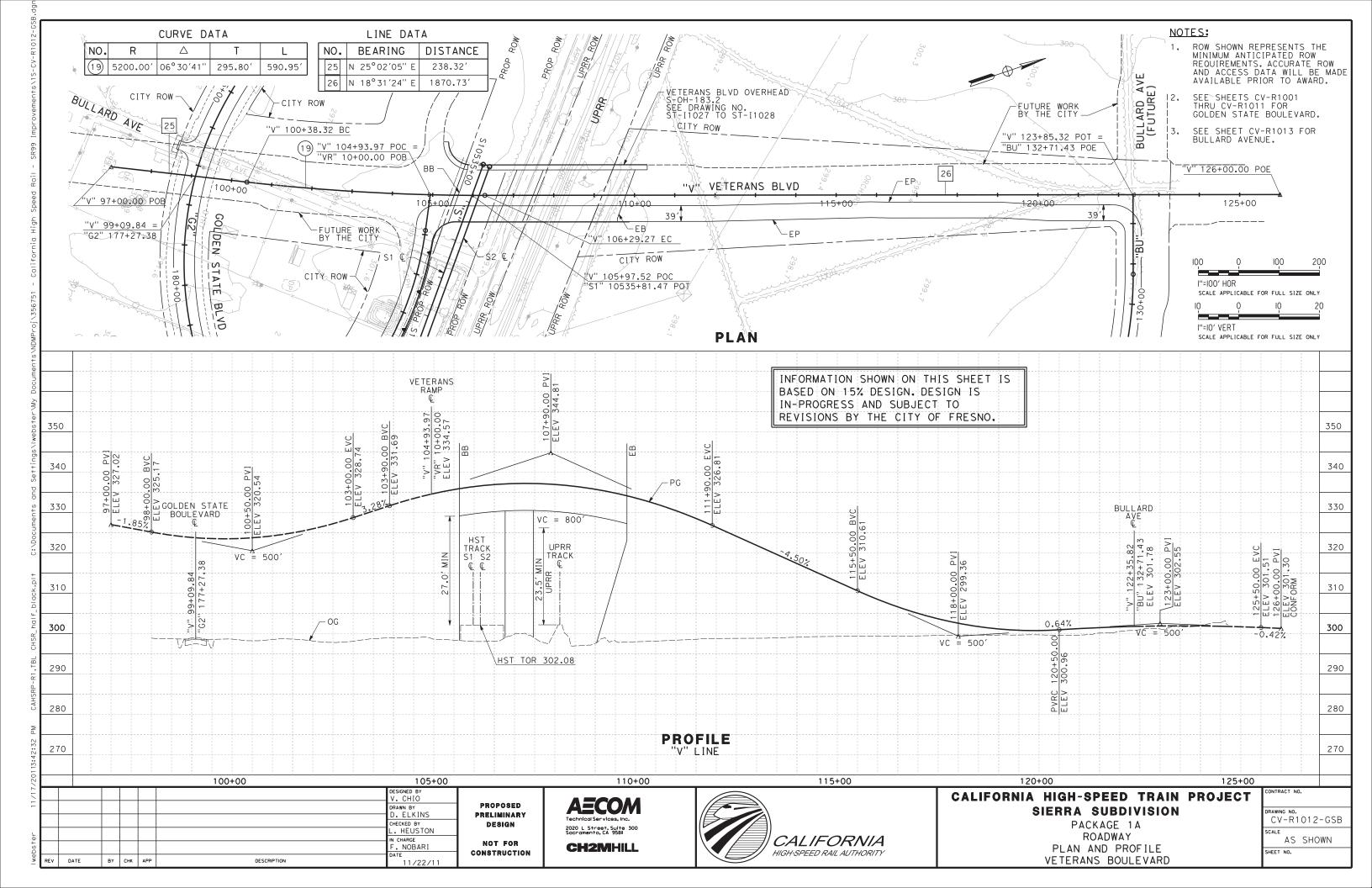


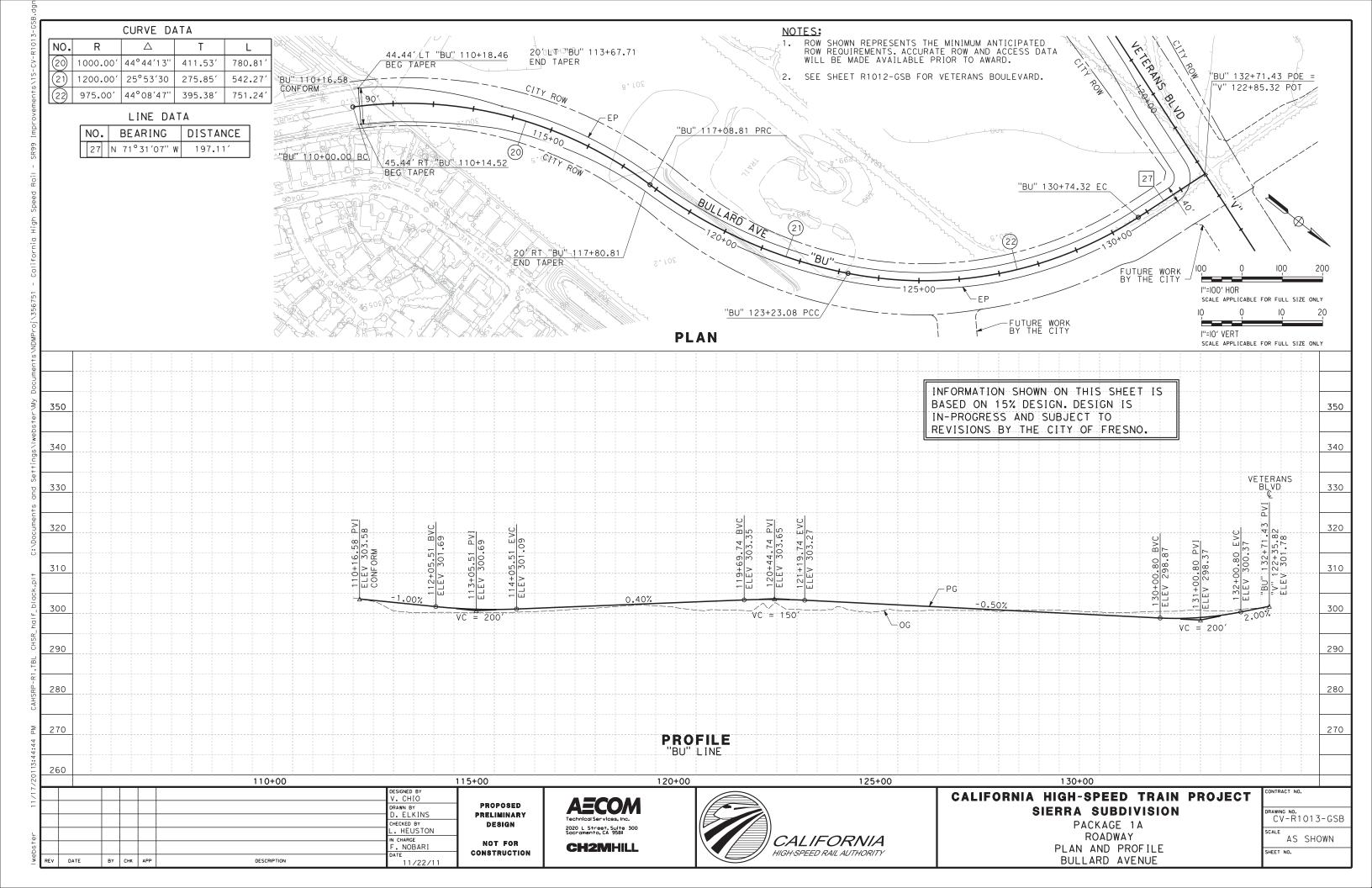


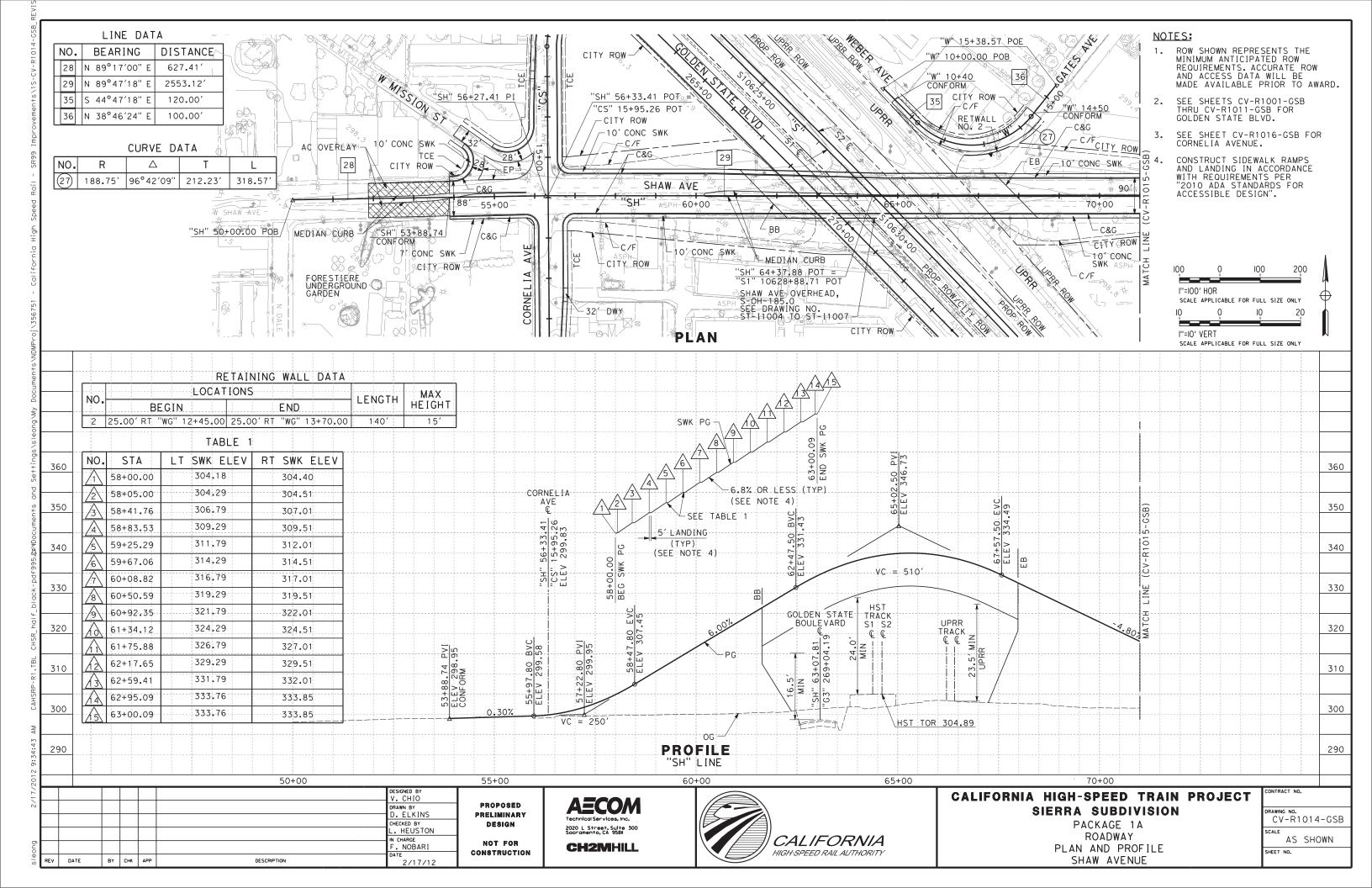


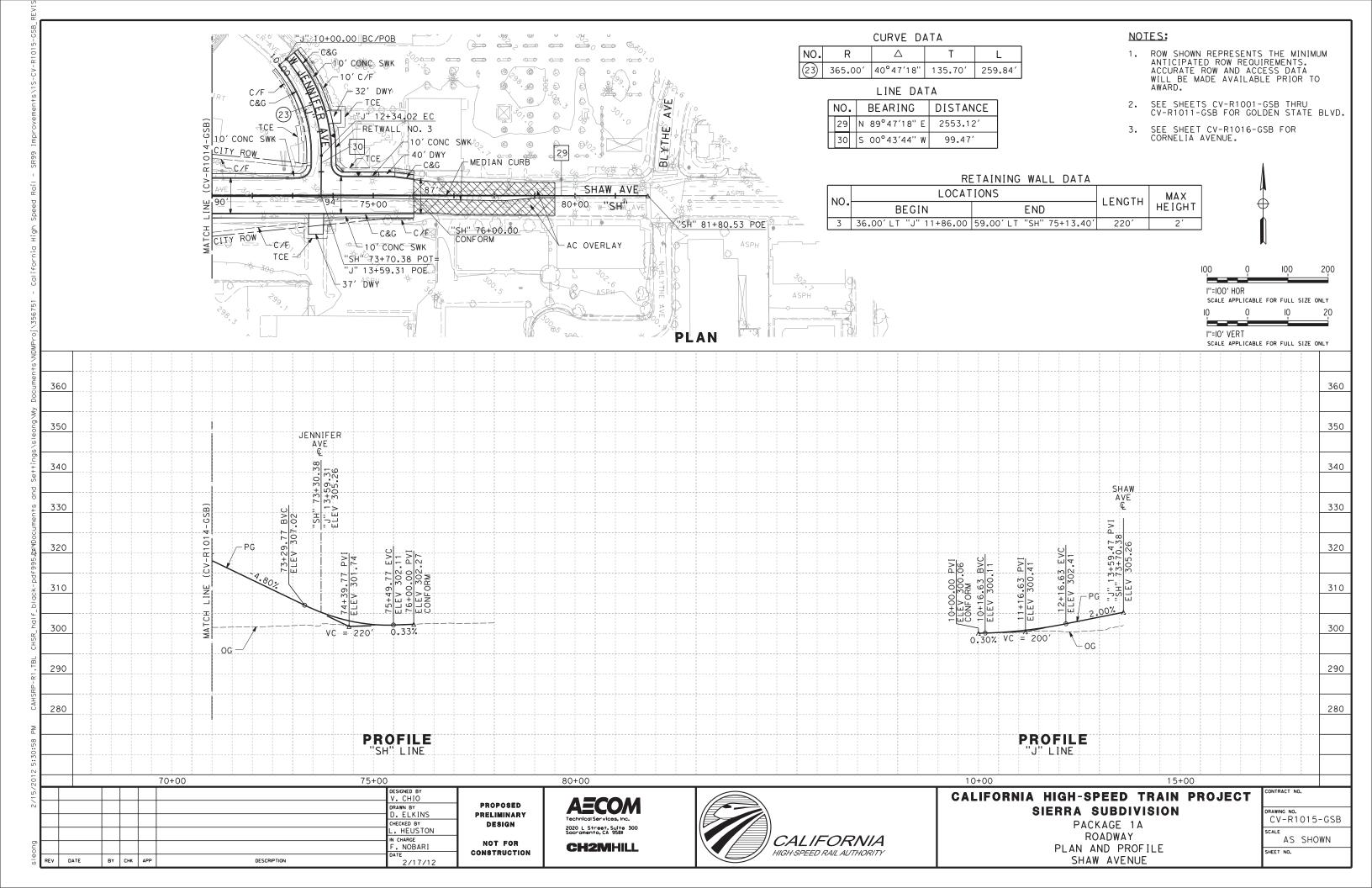


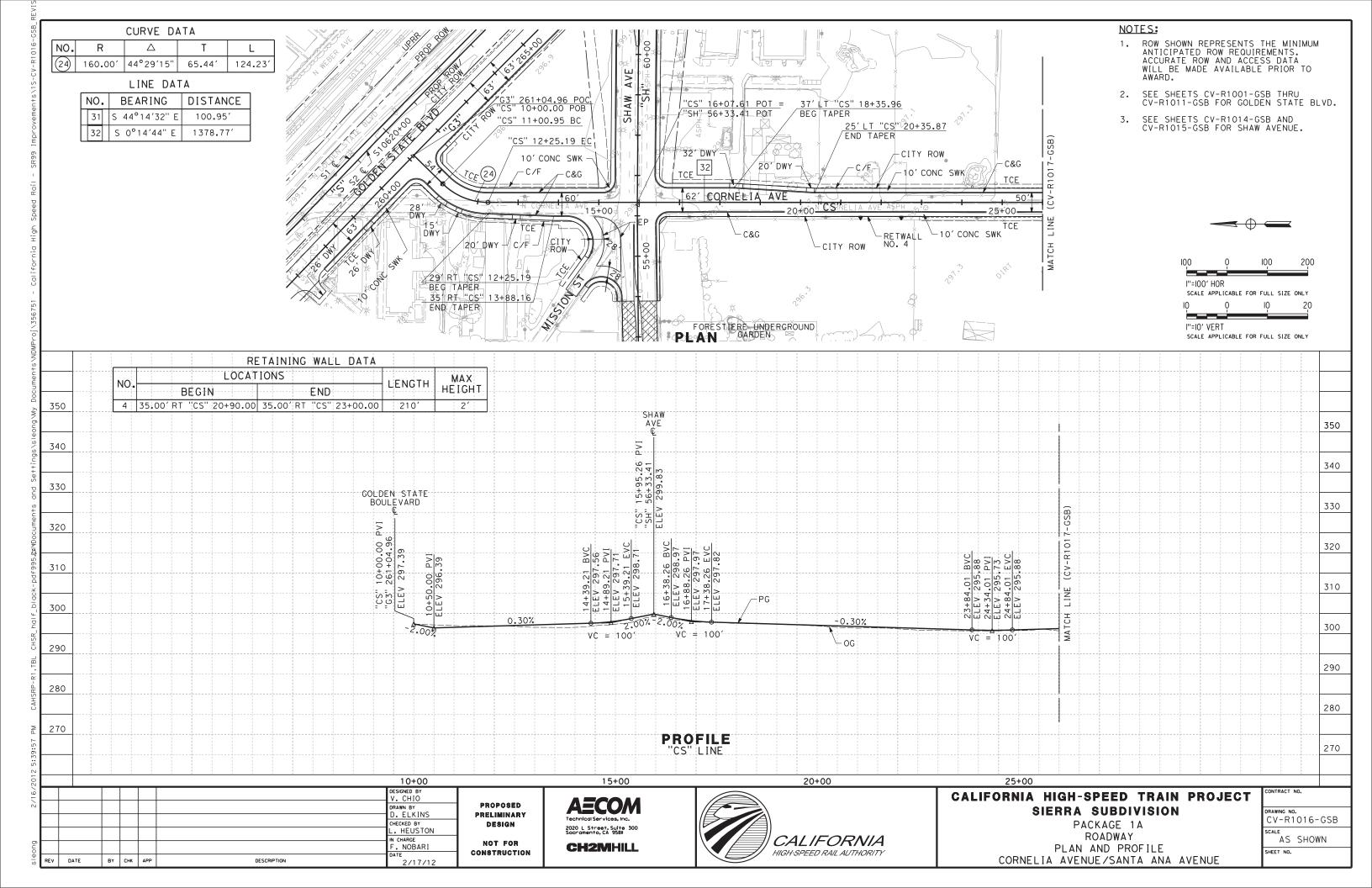


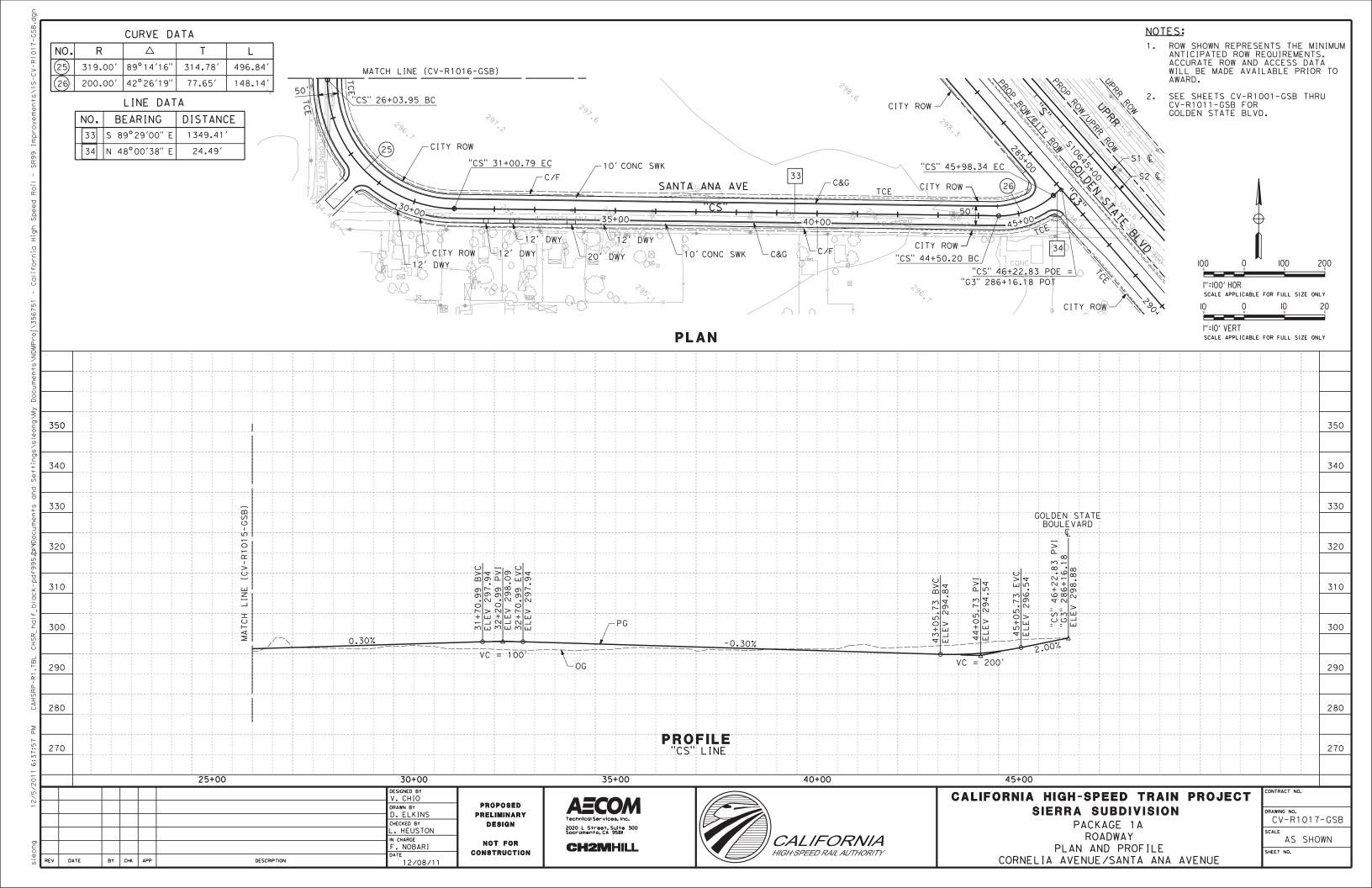


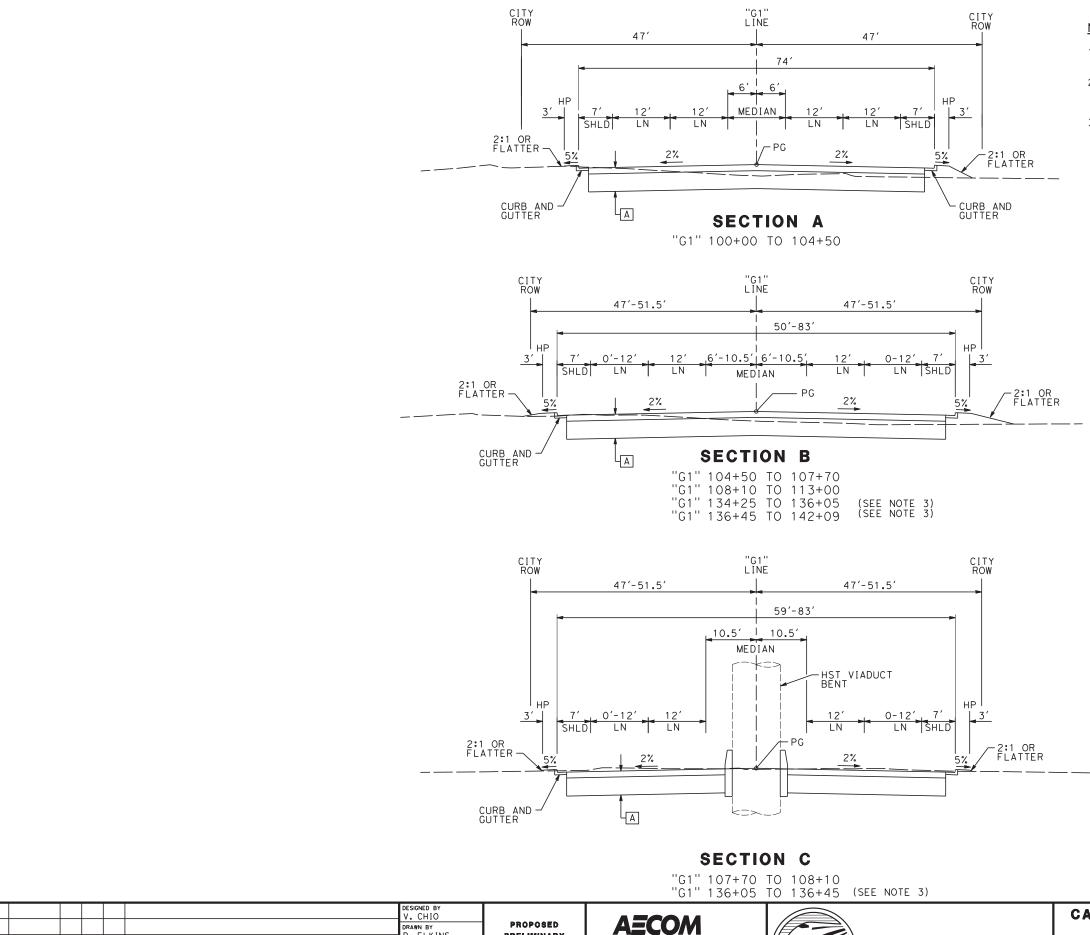












PROPOSED

PRELIMINARY

DESIGN

NOT FOR

CONSTRUCTION

2020 L Street, Suite 300 Sacramento, CA 95811

**CH2MHILL** 

**CALIFORNIA** 

HIGH-SPEED RAIL AUTHORITY

DRAWN BY
D. ELKINS

CHECKED BY

CHARGE . NOBARI

11/22/11

DATE

BY CHK APP

DESCRIPTION

#### NOTES:

- 1. GOLDEN STATE BLVD ULTIMATE STREET WIDTH/CLASSIFICATION SUBJECT
- 2. RIGHT OF WAY WIDTH BASED ON CITY OF FRESNO UNDIVIDED COLLECTORS (NEW GROWTH AREA) TYPICAL STREET CROSS-SECTION.
- 3. EXISTING STORM WATER BASIN ADJACENT TO GOLDEN STATE BLVD TO BE MODIFIED FROM STA 134+00 TO 141+00. SEE GRADING AND DRAINAGE PLANS FOR DETAILS OF MODIFICATIONS
- A 0.40' HMA OVER 1.15' AB
- B 0.55' HMA OVER 1.45' AB

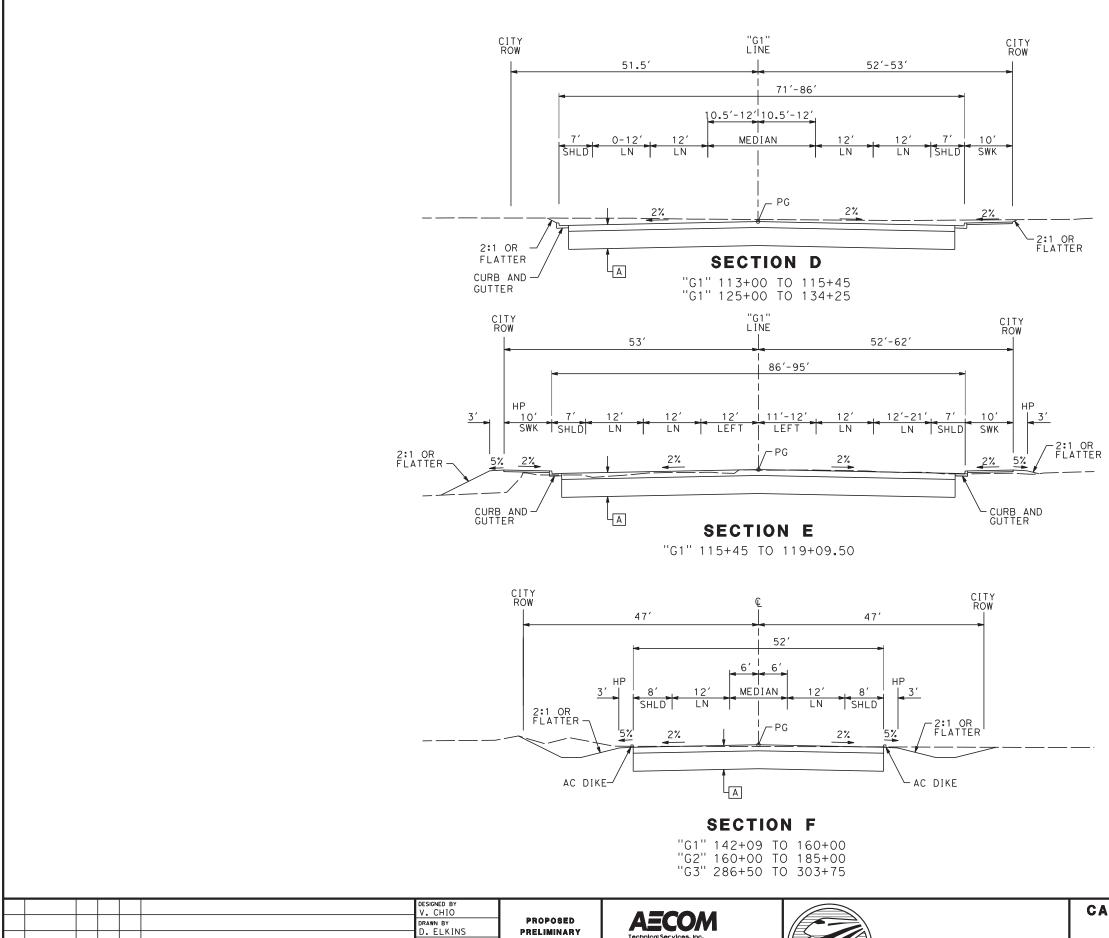
LIMITS OF AC DI	KE
STREET ALIGNMENT DESIGNATION	RT EP OR
AND STATION LIMITS	LT EP
"G1" 142+10 TO 160+00	LT
"G1" 142+10 TO 160+00	RT
"G2" 160+00 TO 192+00	LT
"G2" 160+00 TO 188+00	RT
"G3" 192+00 TO 306+00	LT
"G3" 234+20 TO 257+50	RT
"G3" 286+50 TO 305+90	RT

SCALE APPLICABLE FOR FULL SIZE ONLY

#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY TYPICAL SECTION GOLDEN STATE BOULEVARD

DRAWIN		
CV	/-R:	3001-GSB
SCALE		
	AS	SHOWN
SHEET	NO.	



PRELIMINARY

DESIGN

NOT FOR

CONSTRUCTION

2020 L Street, Suite 300 Sacramento, CA 95811

**CH2MHILL** 

CALIFORNIA

HIGH-SPEED RAIL AUTHORITY

CHECKED BY

CHARGE . NOBARI

11/22/11

REV DATE

BY CHK APP

DESCRIPTION

#### NOTES:

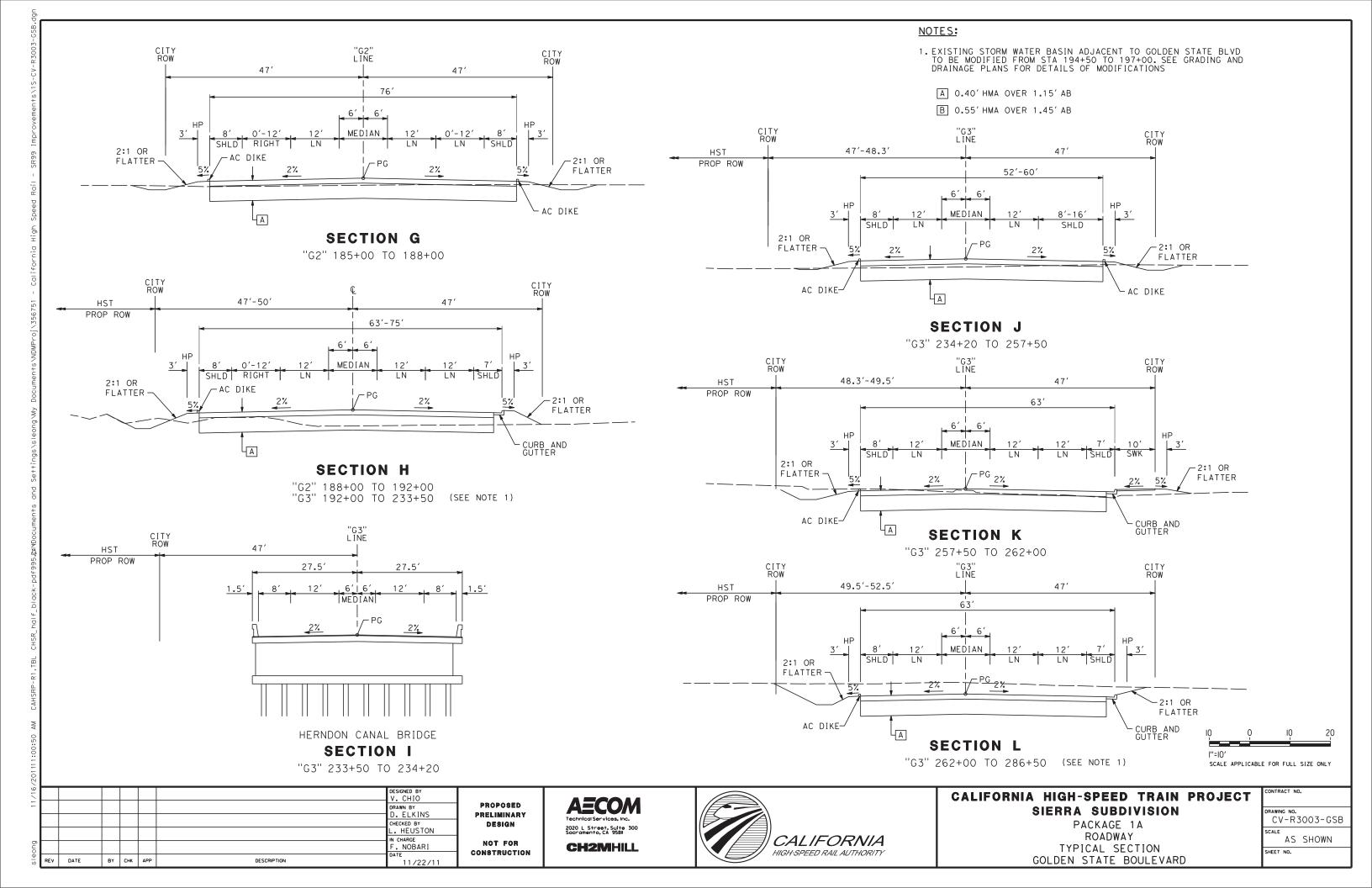
- A 0.40' HMA OVER 1.15' AB
- B 0.55' HMA OVER 1.45' AB

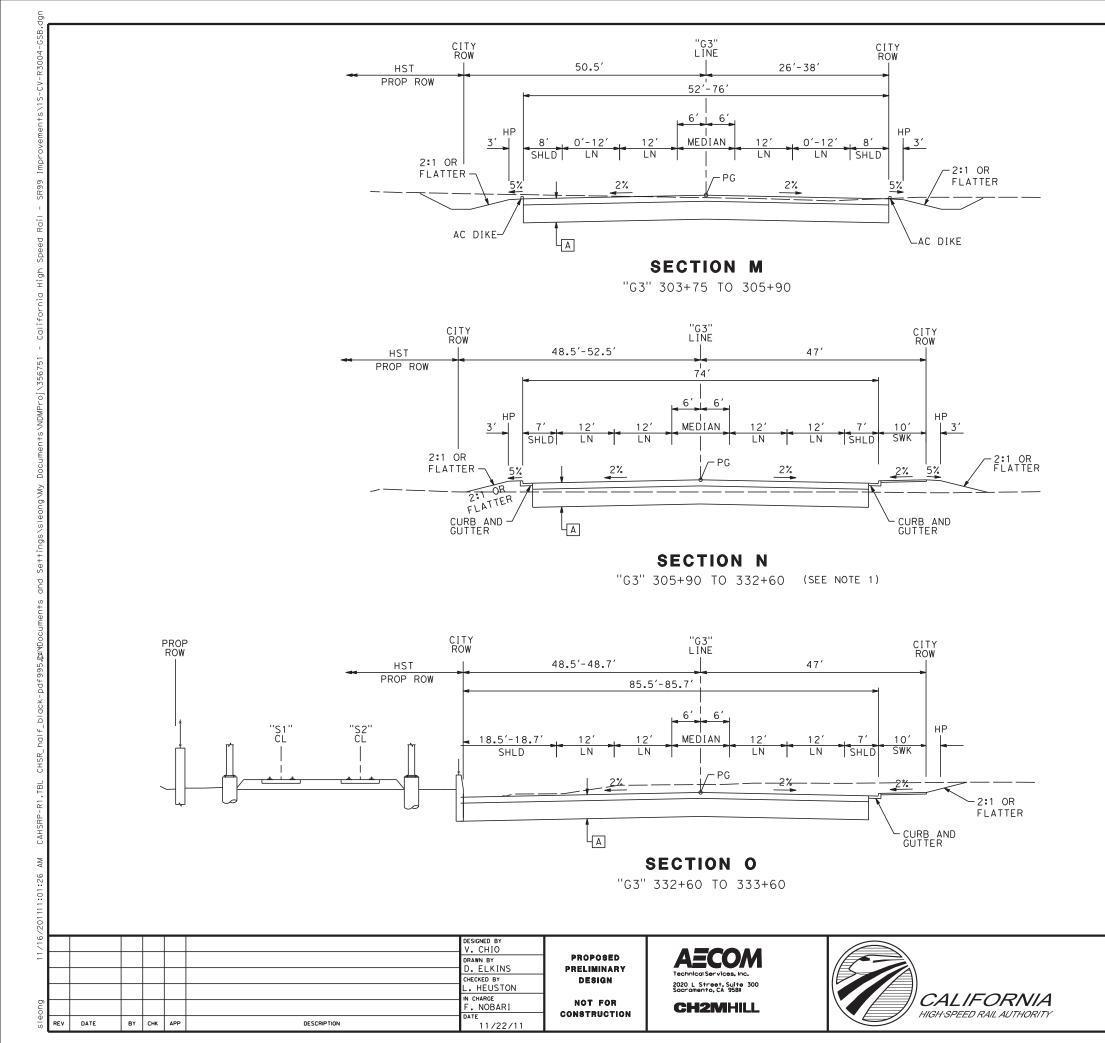


#### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY TYPICAL SECTION GOLDEN STATE BOULEVARD

CONTINA	C1 140.		
DRAWING C V		002-G	SB
SCALE	AS	SHOWN	
SHEET I	NΩ		





#### NOTES:

- 1. EXISTING STORM WATER BASIN ADJACENT TO GOLDEN STATE BLVD TO BE MODIFIED FROM STA 279+50 TO 281+00 AND STA 317+00 TO 317+50. SEE GRADING AND DRAINAGE PLANS FOR DETAILS OF MODIFICATIONS
- A 0.40' HMA OVER 1.15' AB
- B 0.55' HMA OVER 1.45' AB

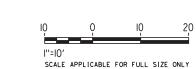


### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A
ROADWAY
TYPICAL SECTION
GOLDEN STATE BOULEVARD

DRAWING NO.
CV-R3004-GSB

SCALE
AS SHOWN
SHEET NO.



	DESIGNED BY V. CHIO						
P	DRAWN BY						
•	CHECKED BY						
	L. HEUSTON IN CHARGE						
CO	F. NOBARI						
	DATE 11/22/11	DESCRIPTION	APP	СНК	BY	DATE	REV

PROPOSED
PRELIMINARY
DESIGN
NOT FOR
CONSTRUCTION





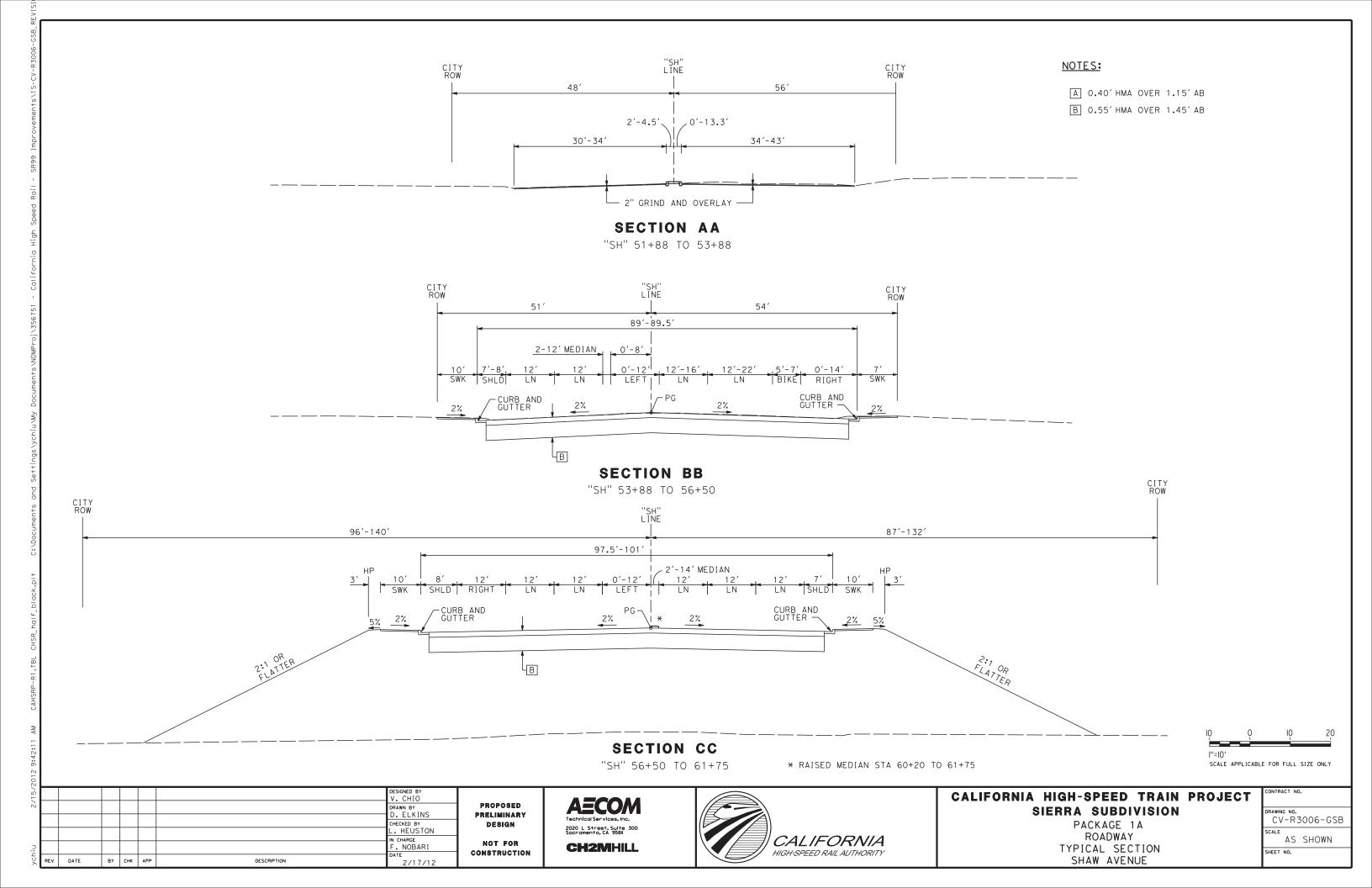
## CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY TYPICAL SECTION GOLDEN STATE BOULEVARD

NOTES:

A 0.40′ HMA OVER 1.15′ AB
B 0.55′ HMA OVER 1.45′ AB

CONTRACT NO.
DRAWING NO. CV-R3005-GSB
AS SHOWN
SHEET NO.



"SH" LINE 55'-62.5' 90'-97.5' SWK LN SHLD 4'-11' SHAW AVENUE OVERHEAD SECTION DD "SH" 61+75 TO 68+00 "SH" LINE CITY ROW 55′ 55'-61' 187'-90' SWK SWK 5% 2% 2% 5% LB CURB AND -GUTTER CURB AND GUTTER "SH" 74+00 TO 75+00 SECTION EE "SH" 68+00 TO 76+00 DESIGNED BY **AECOM** PROPOSED DRAWN BY
D. ELKINS PRELIMINARY CHECKED BY L. HEUSTON DESIGN 2020 L Street, Suite 300 Sacramento, CA 95811 CALIFORNIA CHARGE . NOBARI NOT FOR **CH2MHILL** BY CHK APP DESCRIPTION 11/22/11

#### NOTES:

- A 0.40' HMA OVER 1.15' AB
- B 0.55' HMA OVER 1.45' AB



# CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION DRAWING NO.

PACKAGE 1A ROADWAY TYPICAL SECTION SHAW AVENUE

DRAWIN	G NO.	
C۷	-R3	3007-GSB
SCALE		
	AS	SHOWN
CHEET	110	

DRAWN BY
D. ELKINS CHECKED BY CHARGE . NOBARI BY CHK APP DESCRIPTION 12/08/11

PRELIMINARY DESIGN NOT FOR CONSTRUCTION

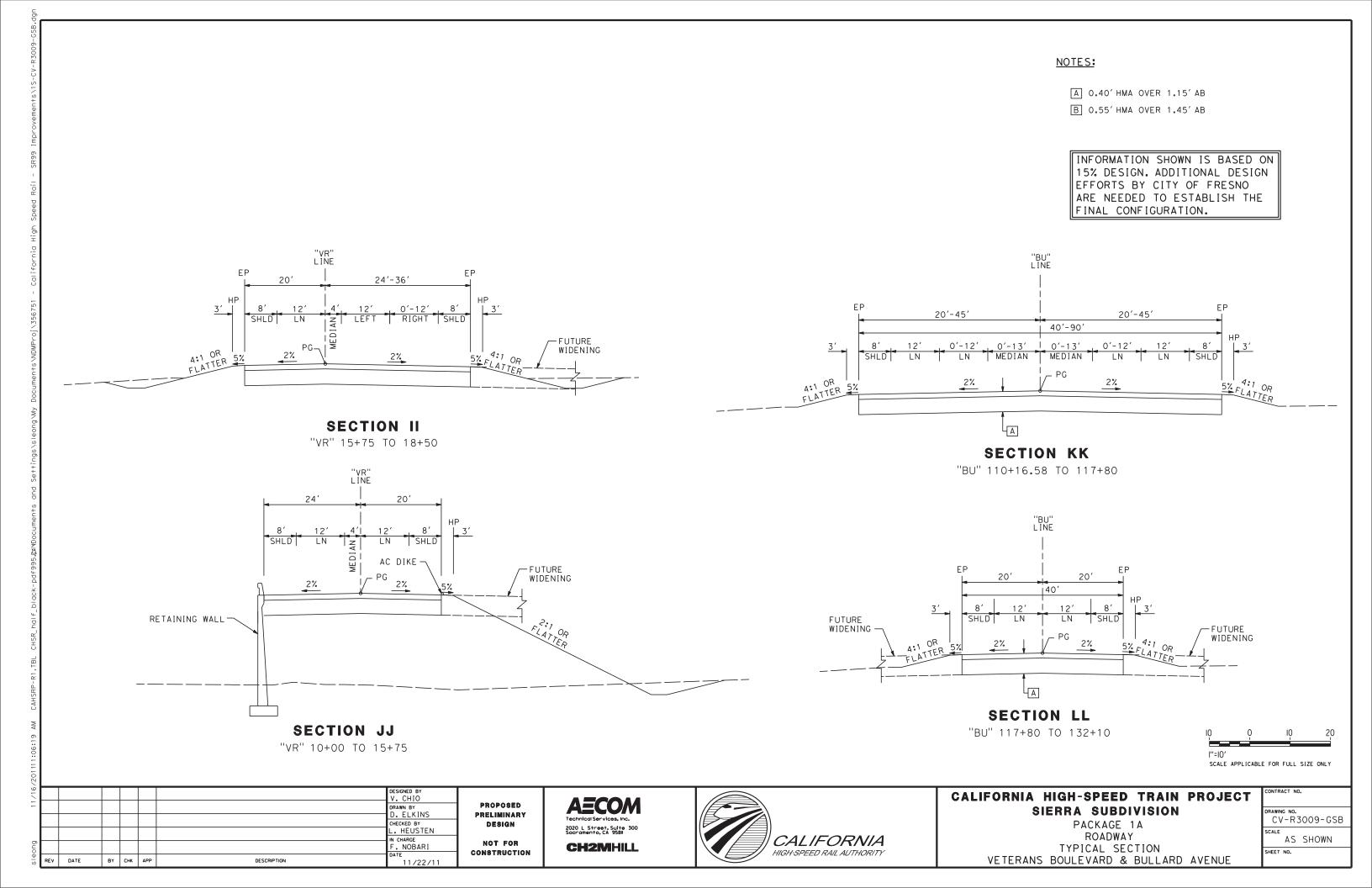
**AECOM** 2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 

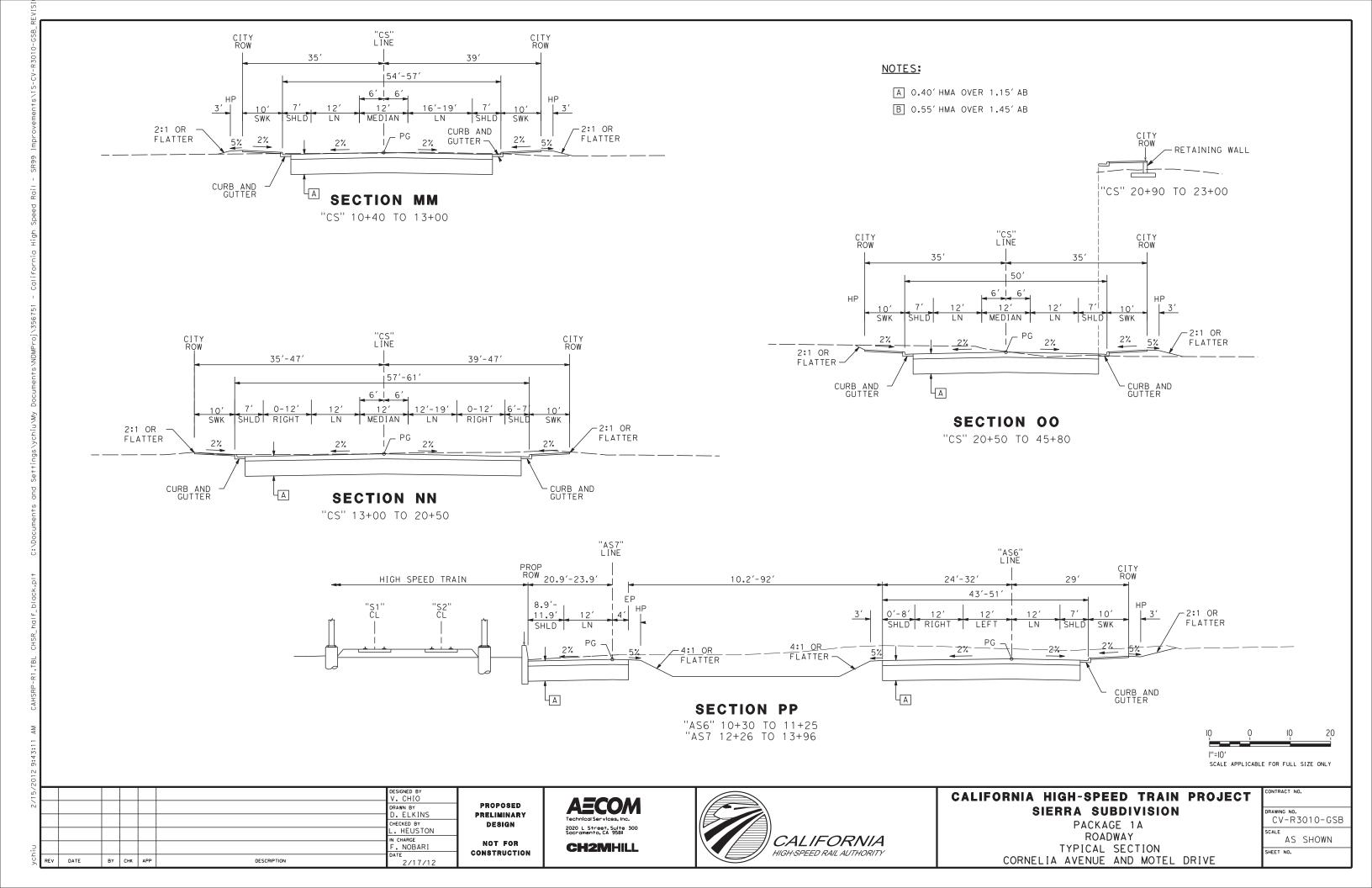


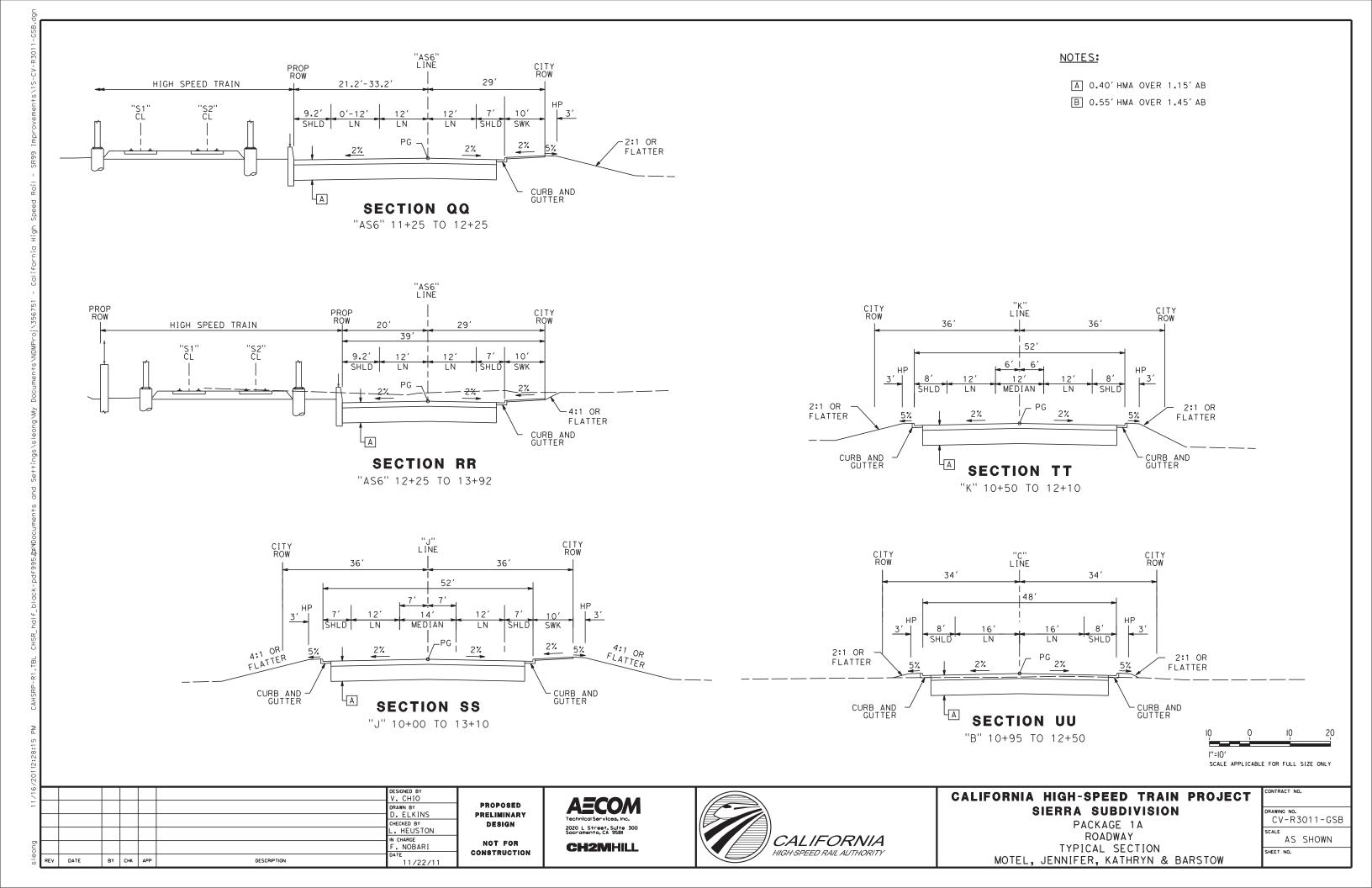
### SIERRA SUBDIVISION

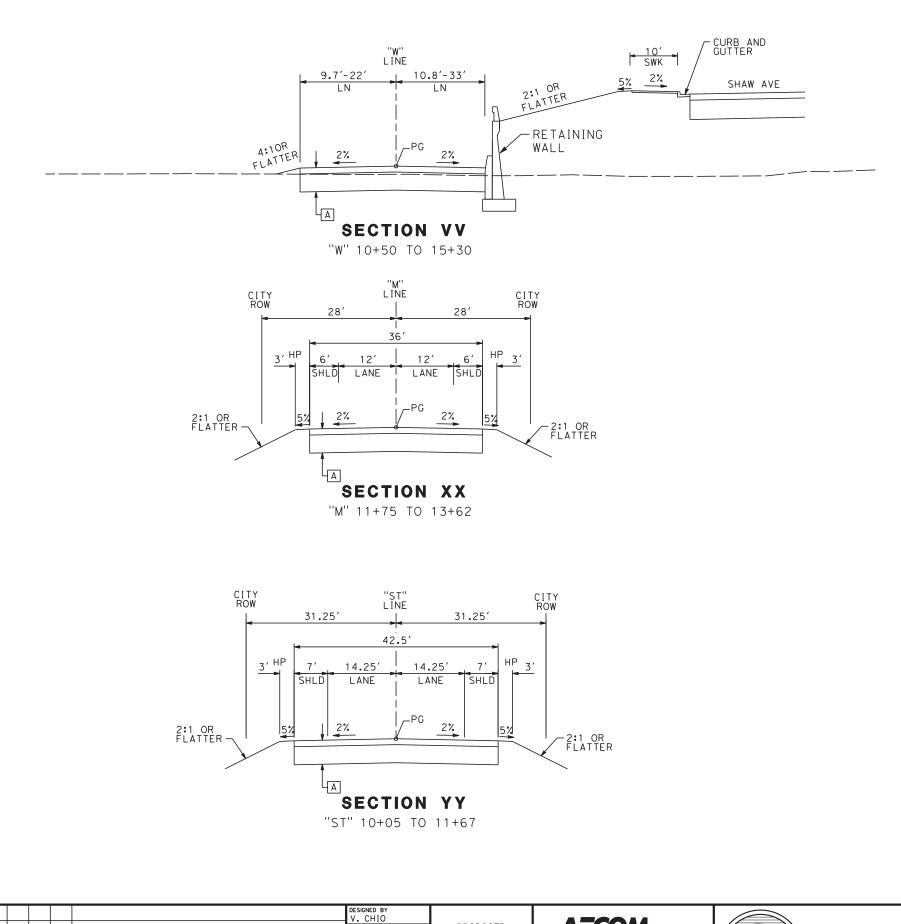
PACKAGE 1A ROADWAY TYPICAL SECTION SHAW AVENUE & VETERANS BOULEVARD

CONTRACT NO.
DRAWING NO. CV-R3008-GSB
AS SHOWN
SHEET NO.









## NOTES:

- A 0.40' HMA OVER 1.15' AB
- B 0.55' HMA OVER 1.45' AB



## CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION DRAWING NO.

PACKAGE 1A ROADWAY TYPICAL SECTION WEBER, MARKET & STATE

DIVISION 1 A	CV-R3012-GSB
AY	AS SHOWN
ECTION	SHEET NO.

sleong 11/16/2

BY CHK APP

DESCRIPTION

DESIGN

NOT FOR

CONSTRUCTION

PROPOSED

PRELIMINARY

DRAWN BY
D. ELKINS

CHECKED BY L. HEUSTON

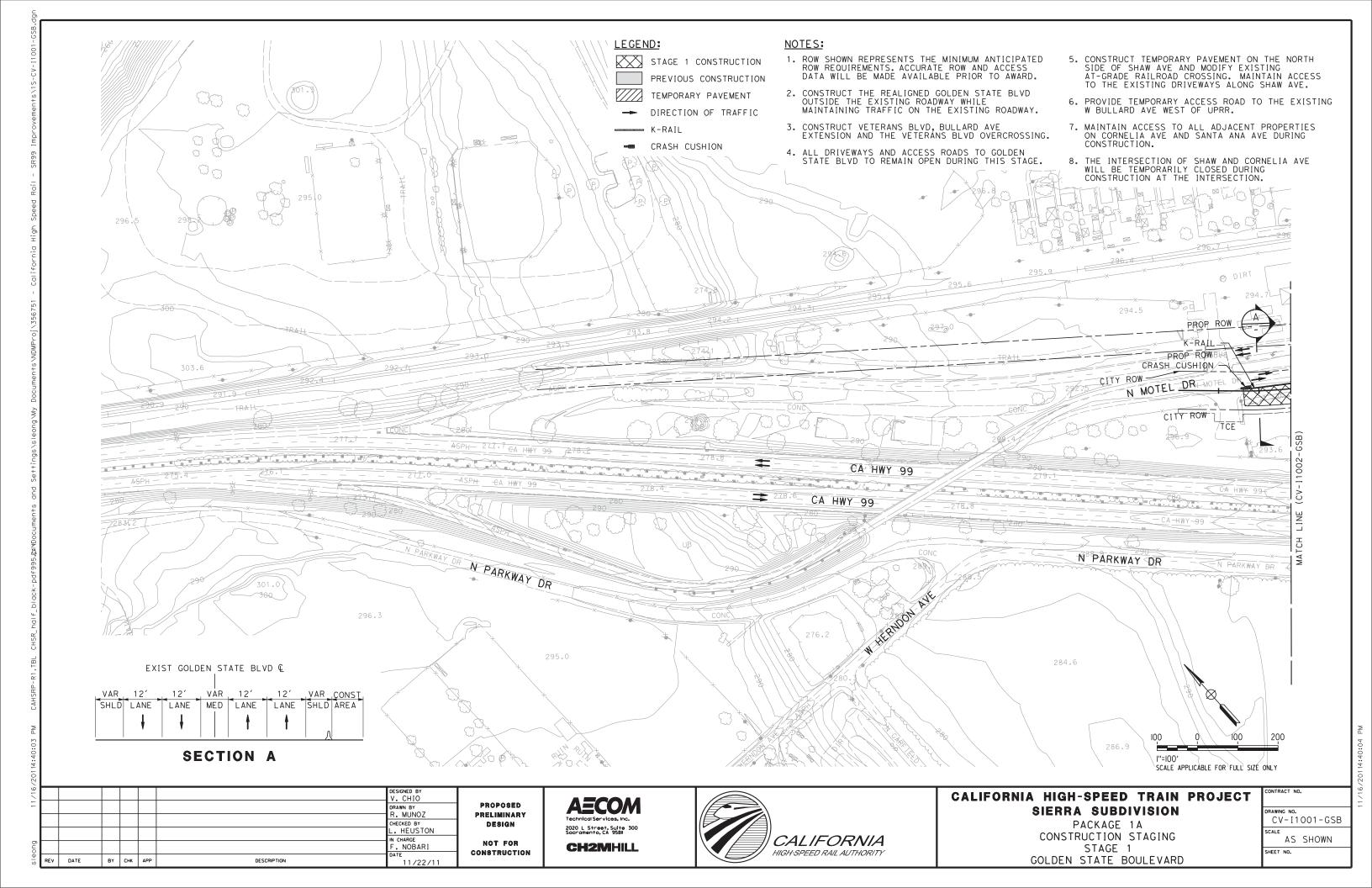
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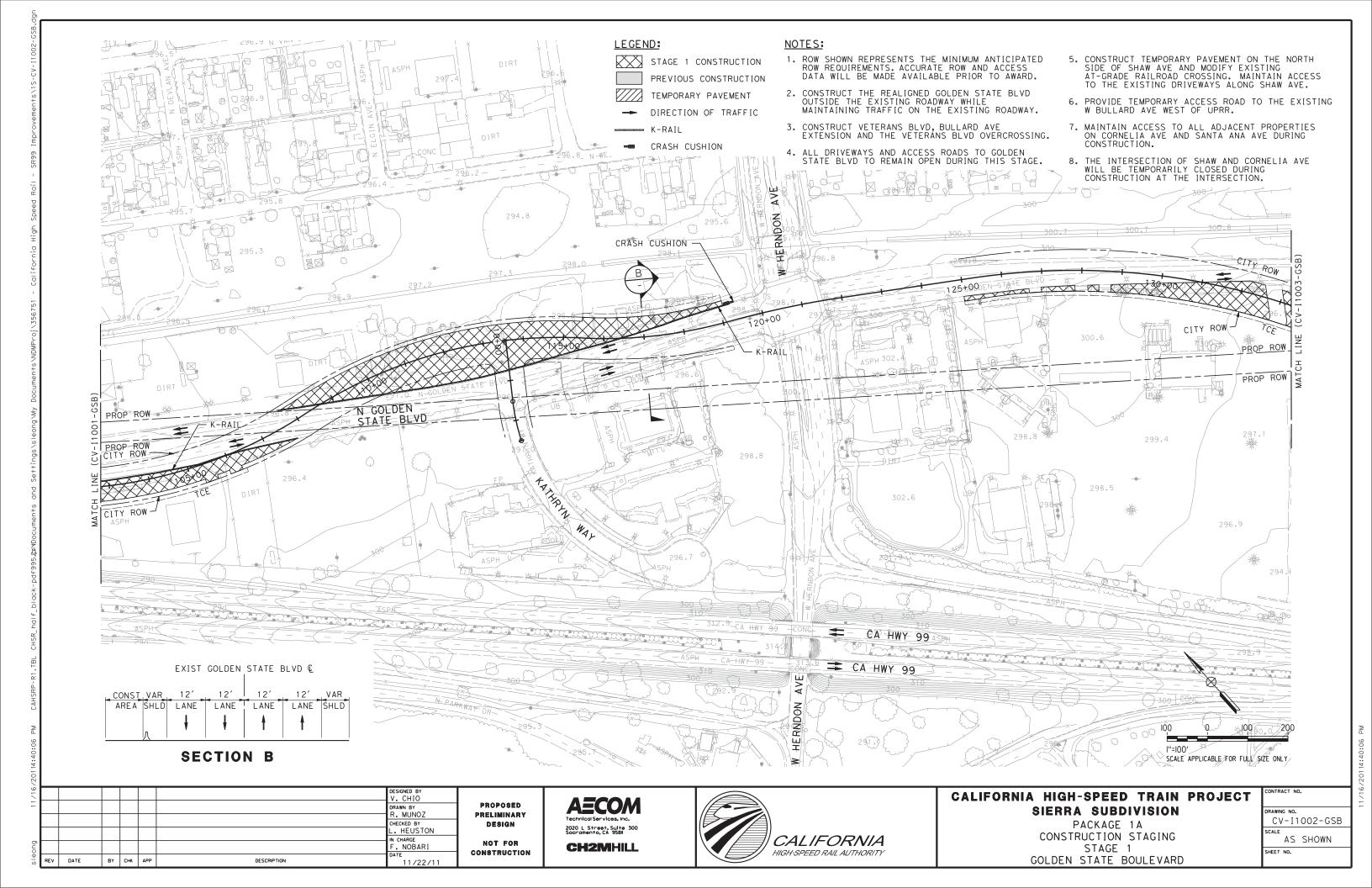
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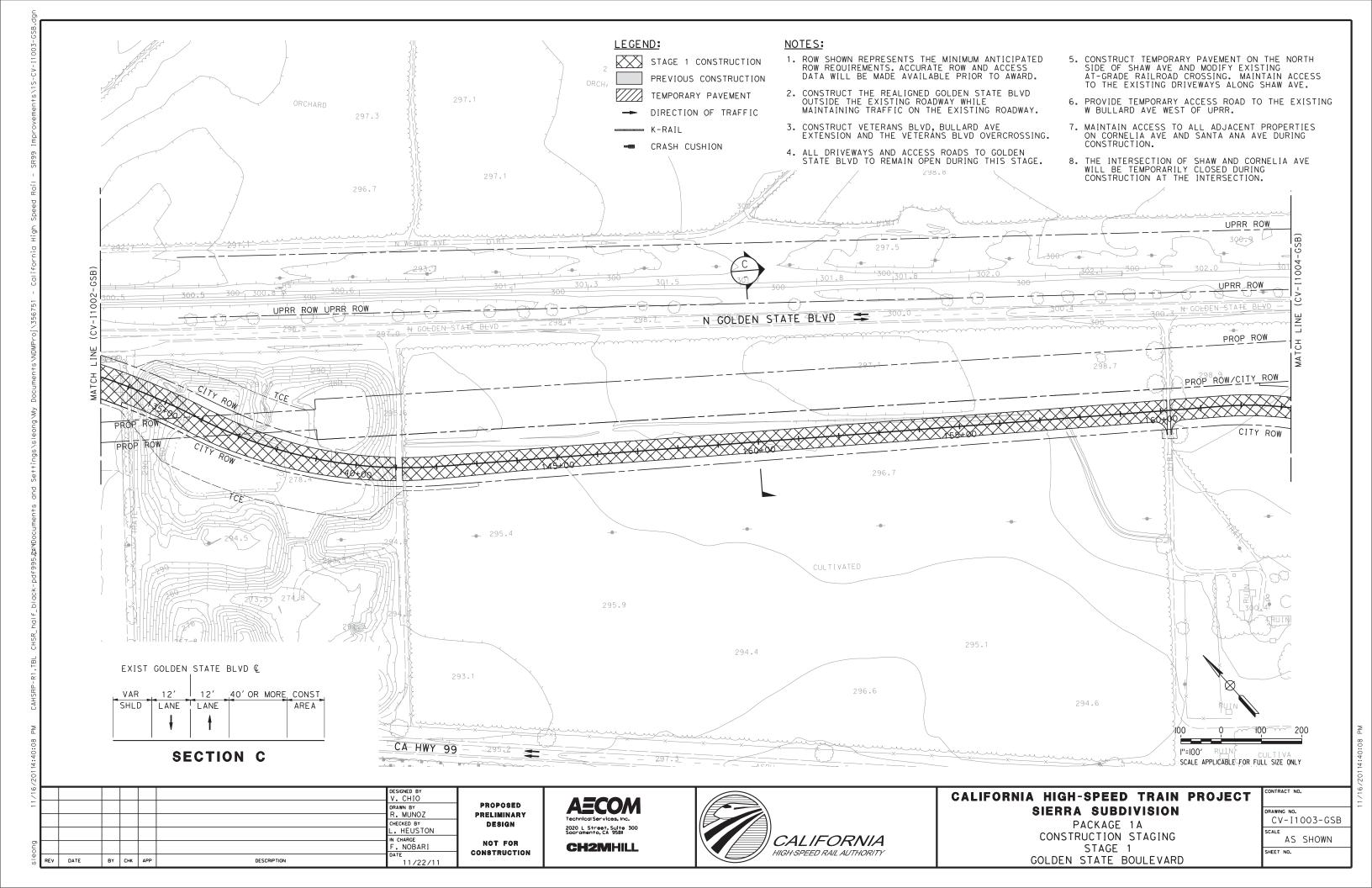
AECOM
Technical Services, Inc.
2020 L. Street, Suite 300
Socramento, CA 9581
CH2MHILL

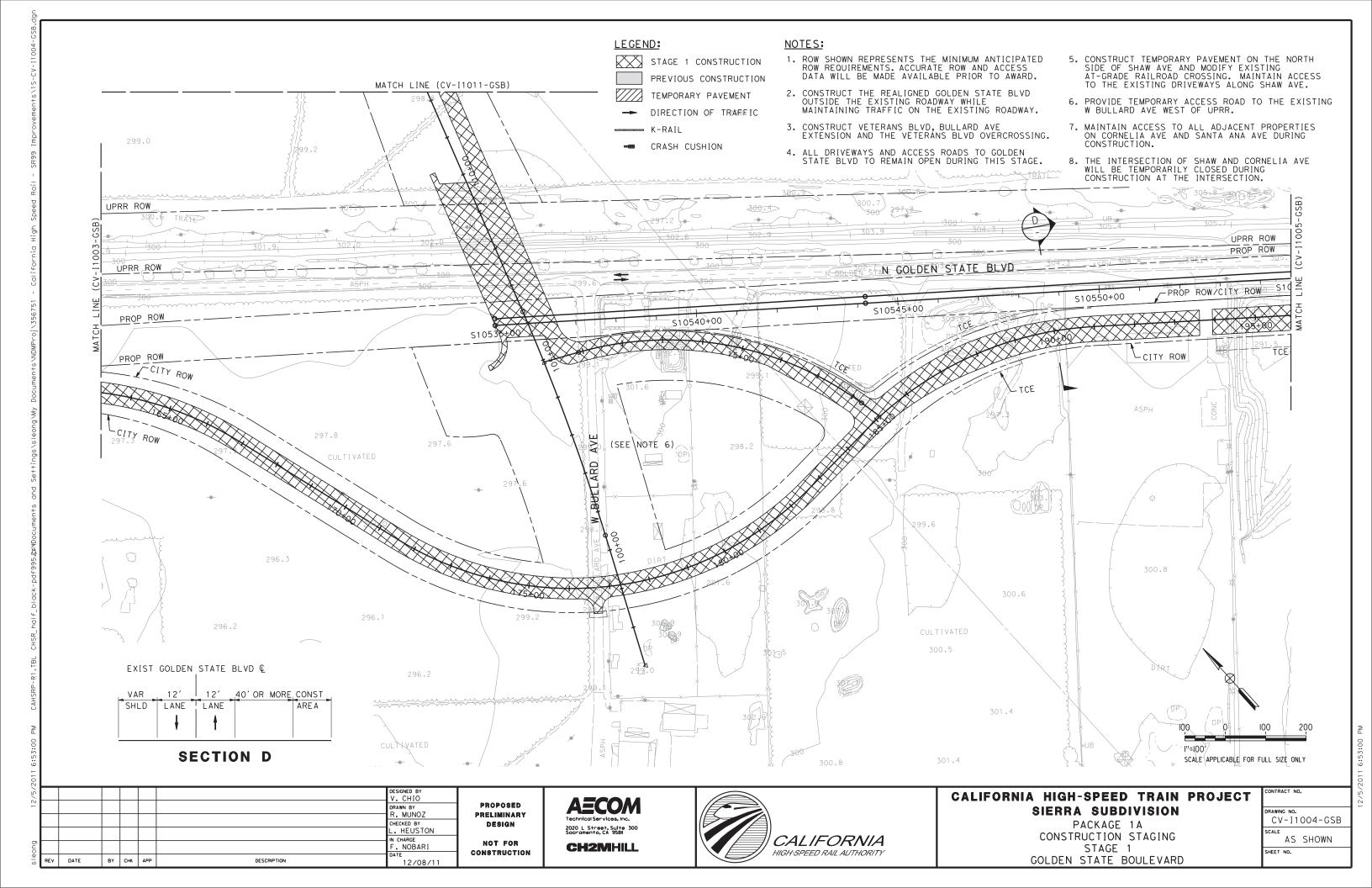


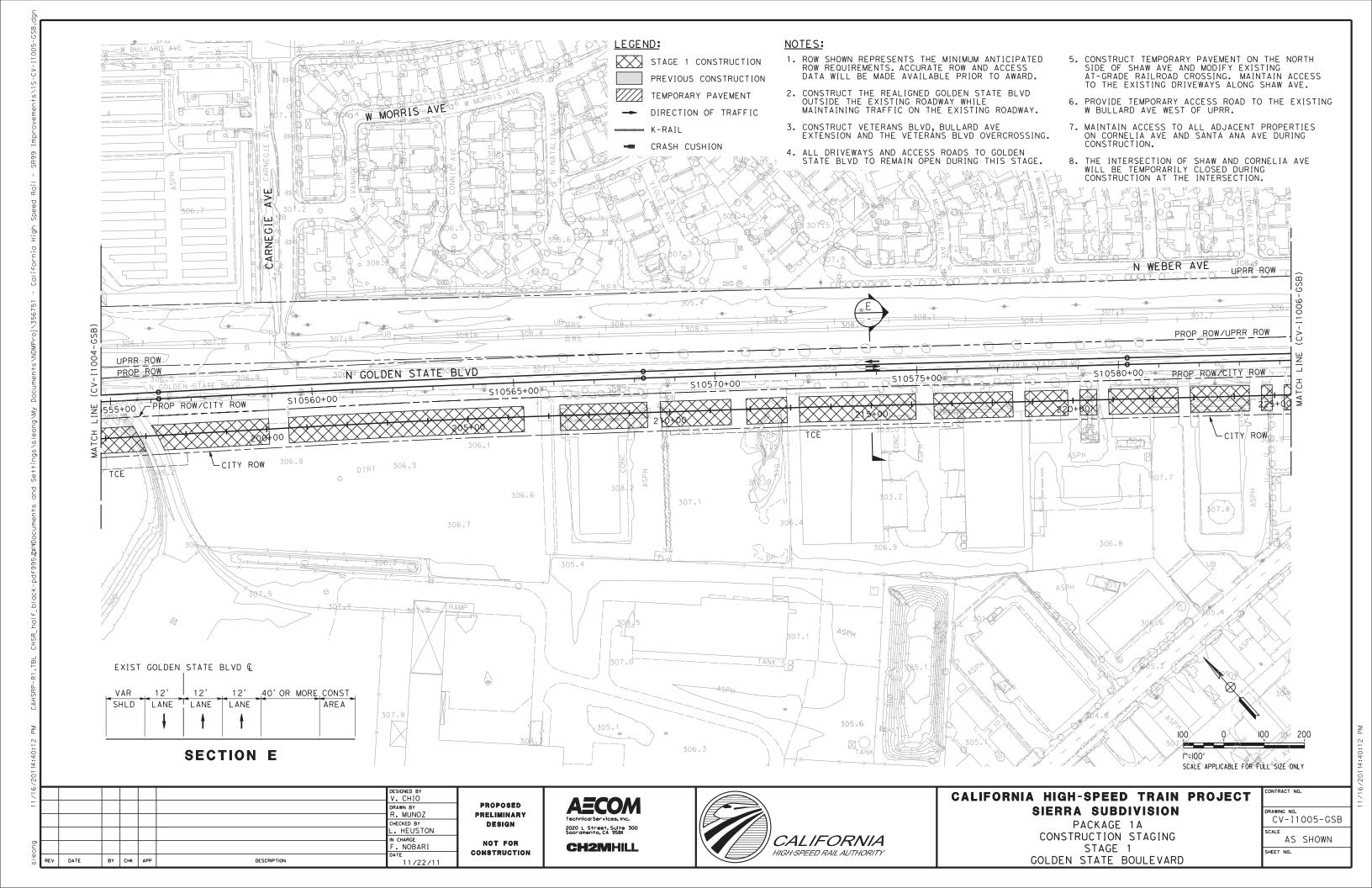
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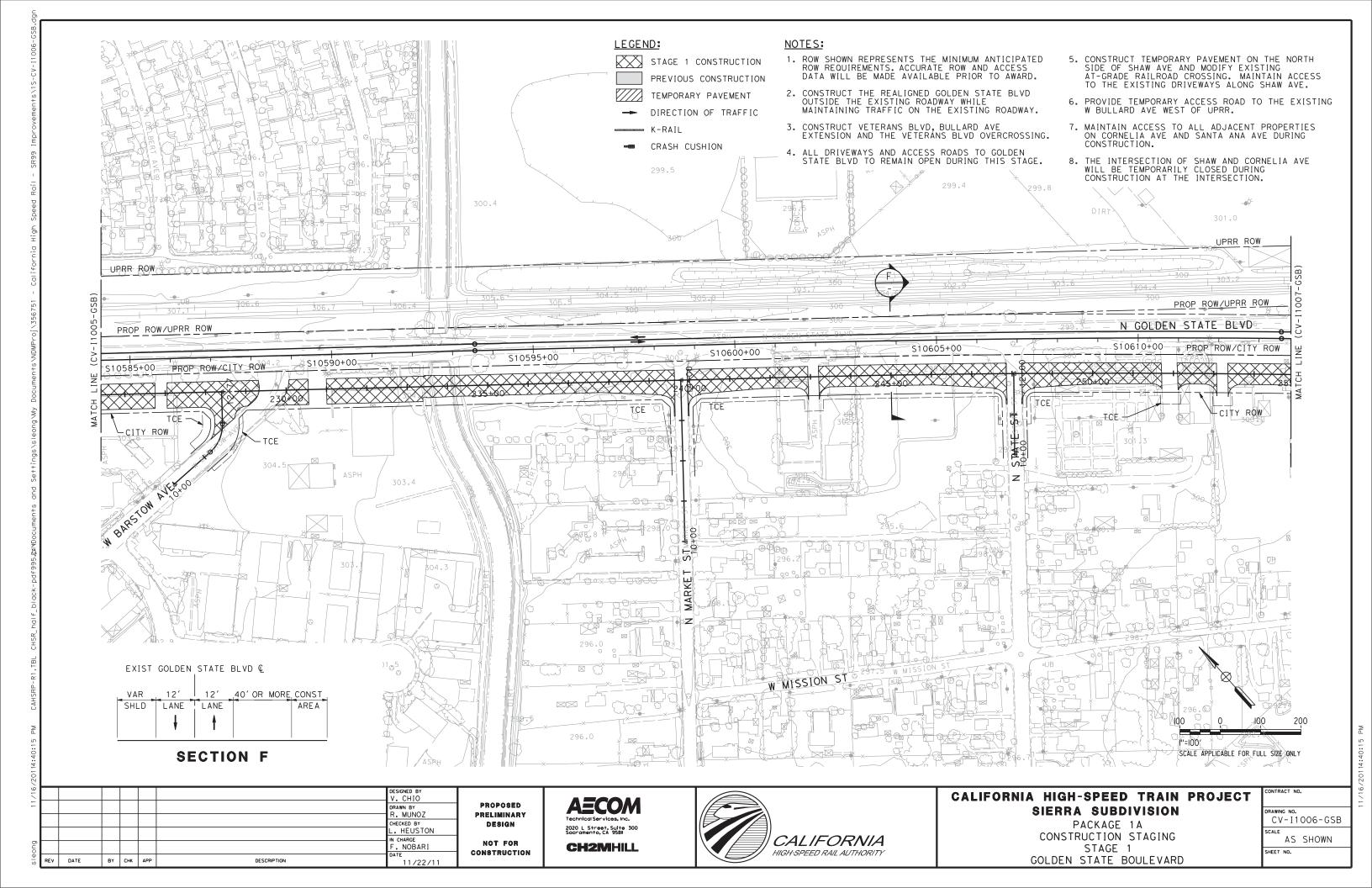


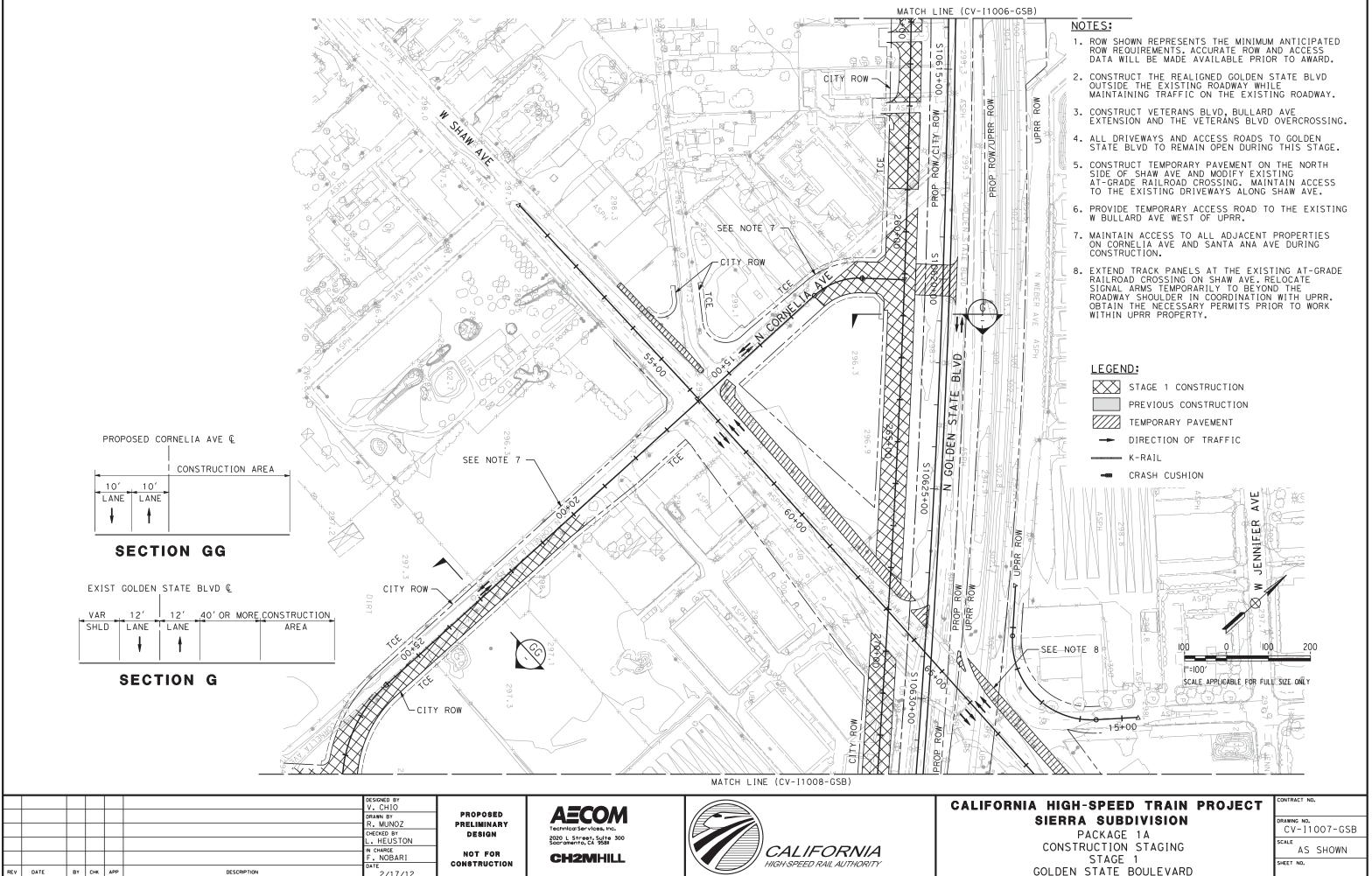






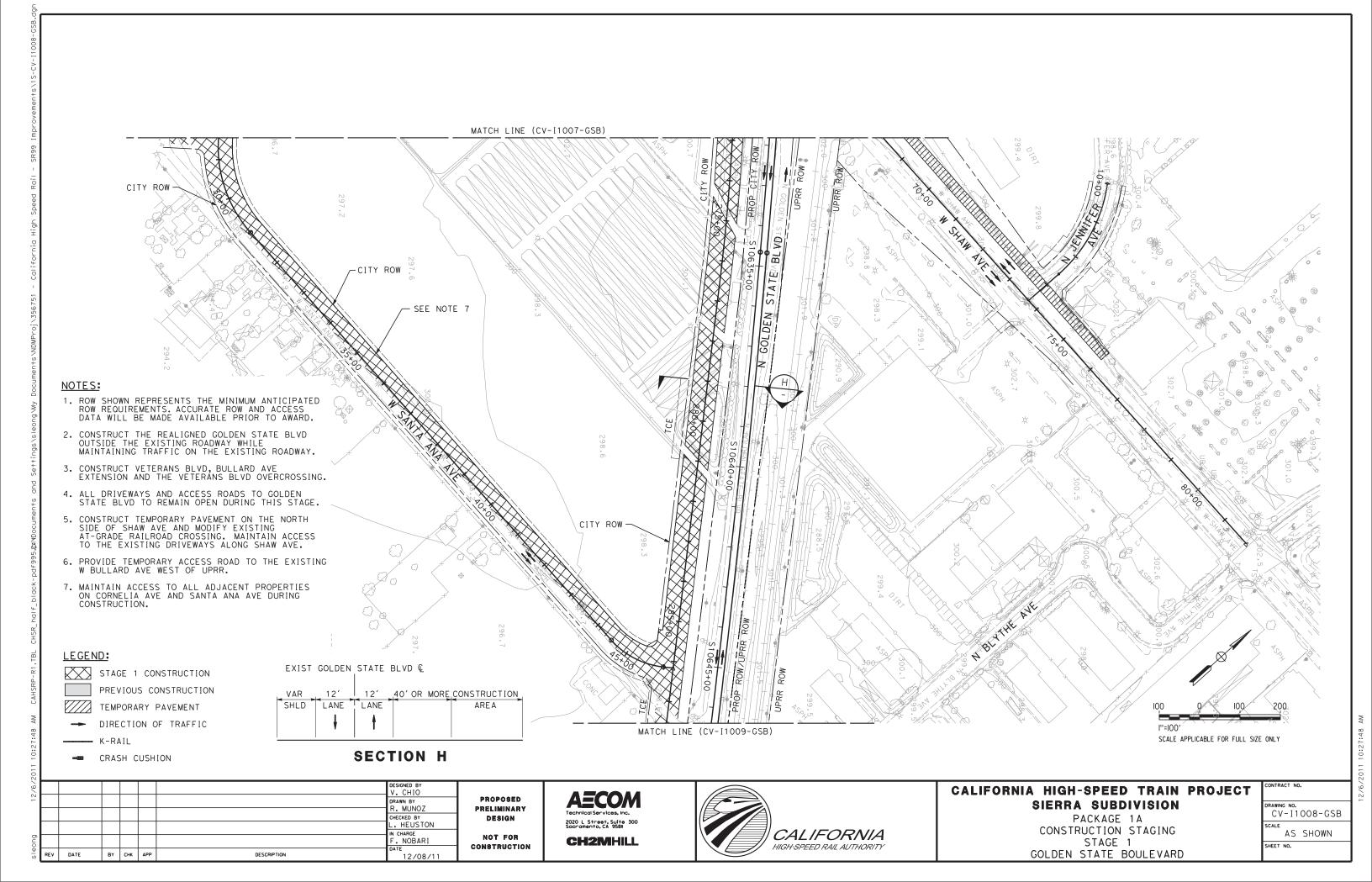


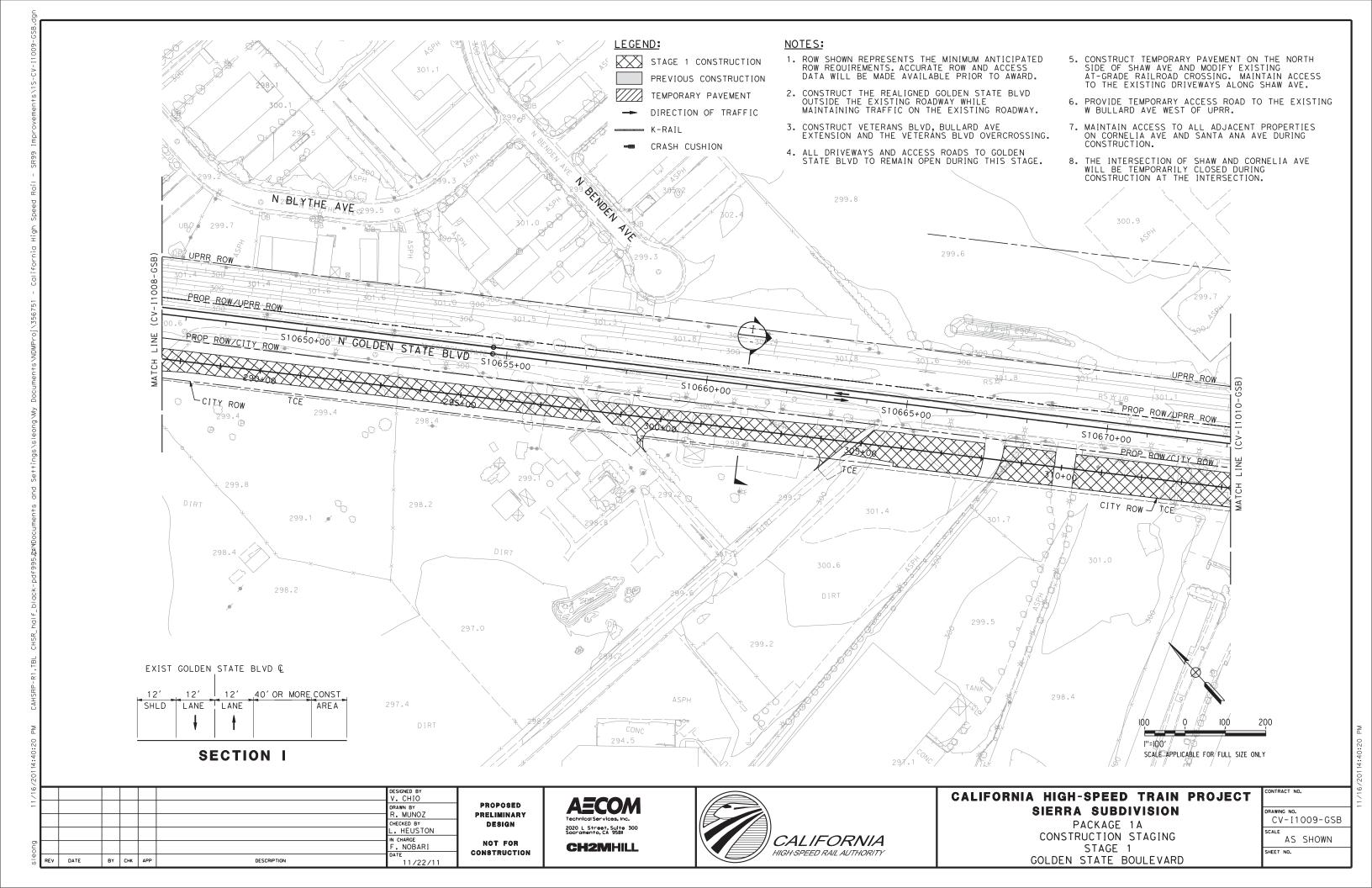


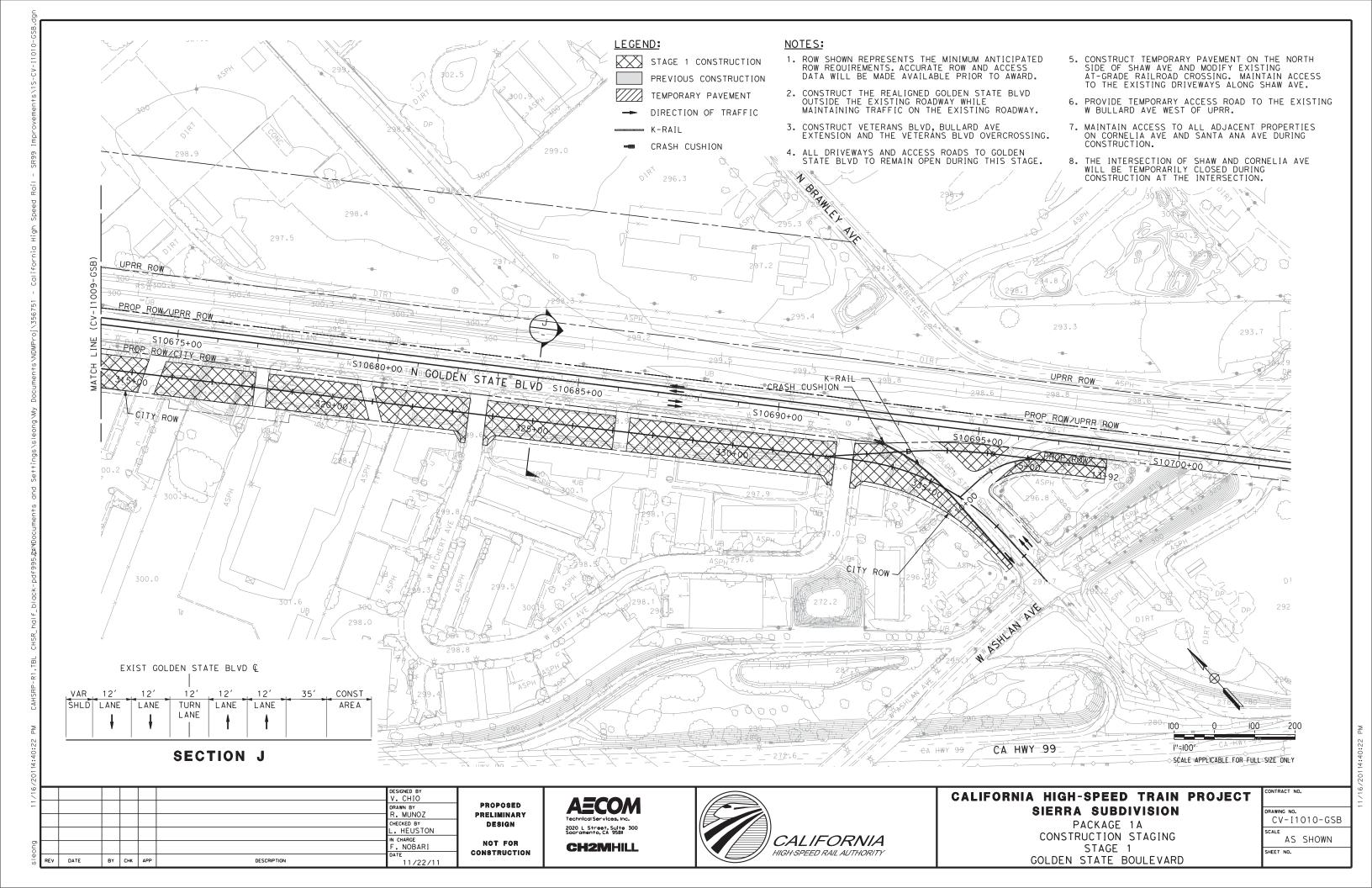




GOLDEN STATE BOULEVARD







BY CHK APP

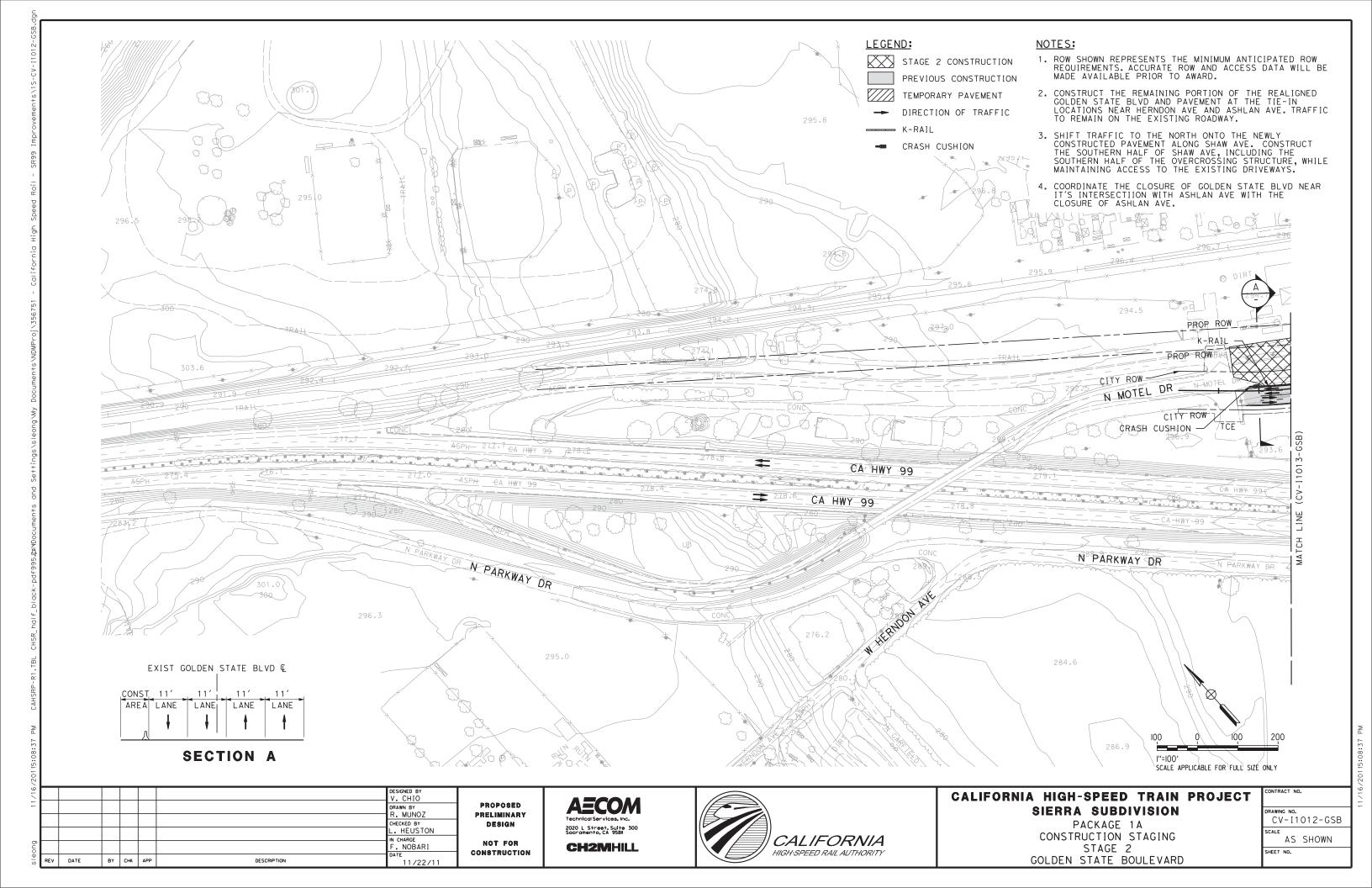
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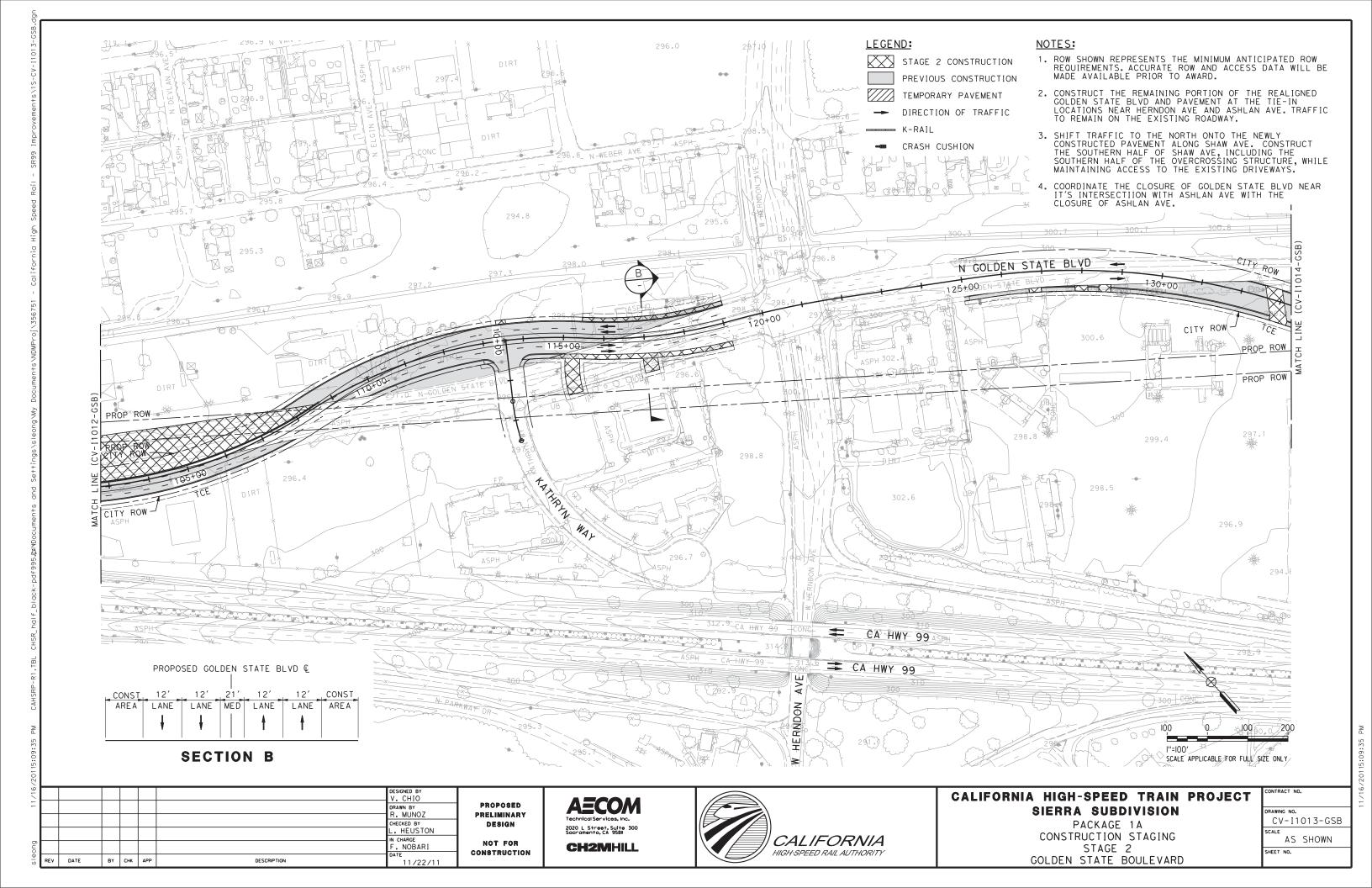
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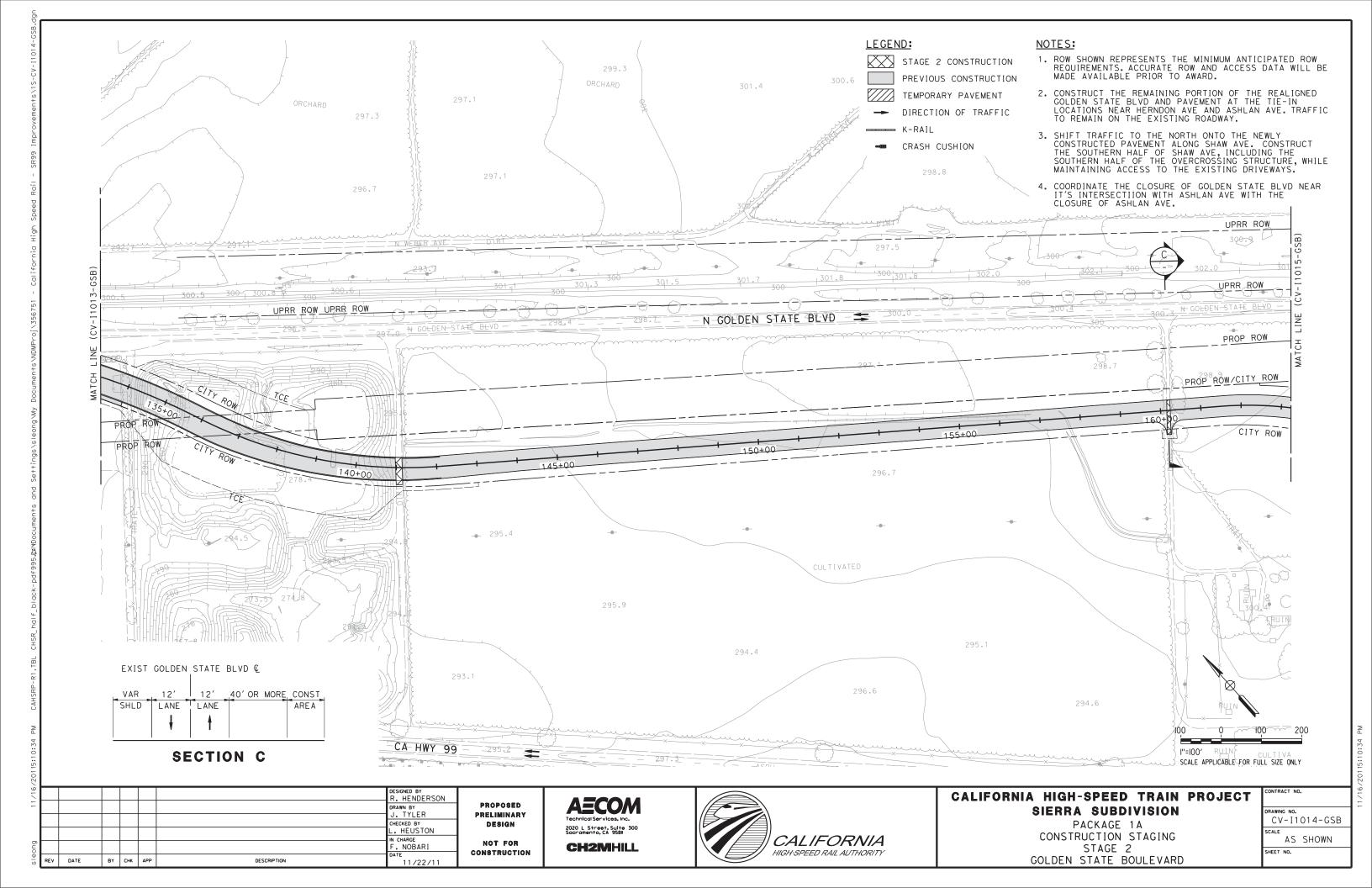
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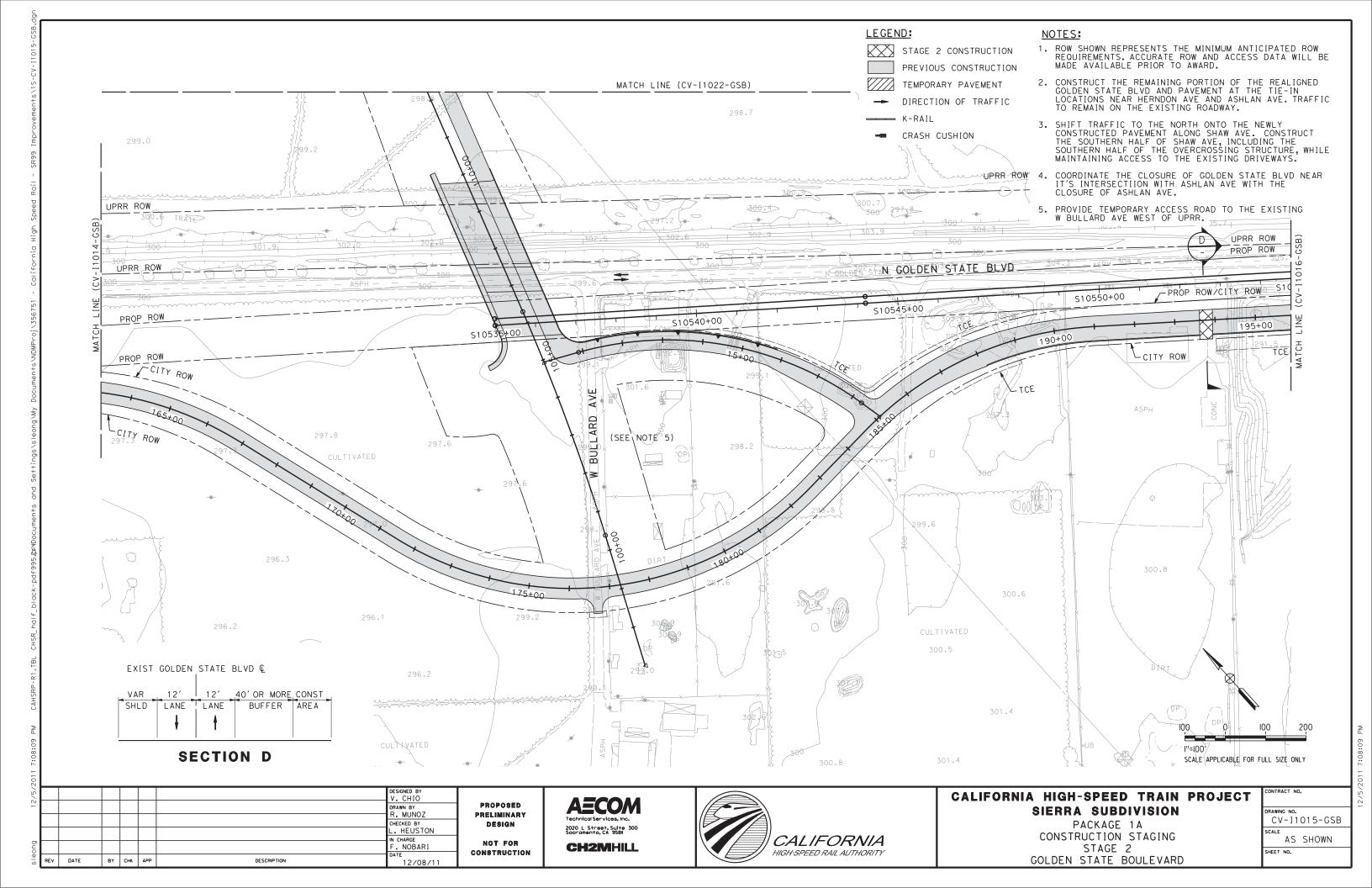
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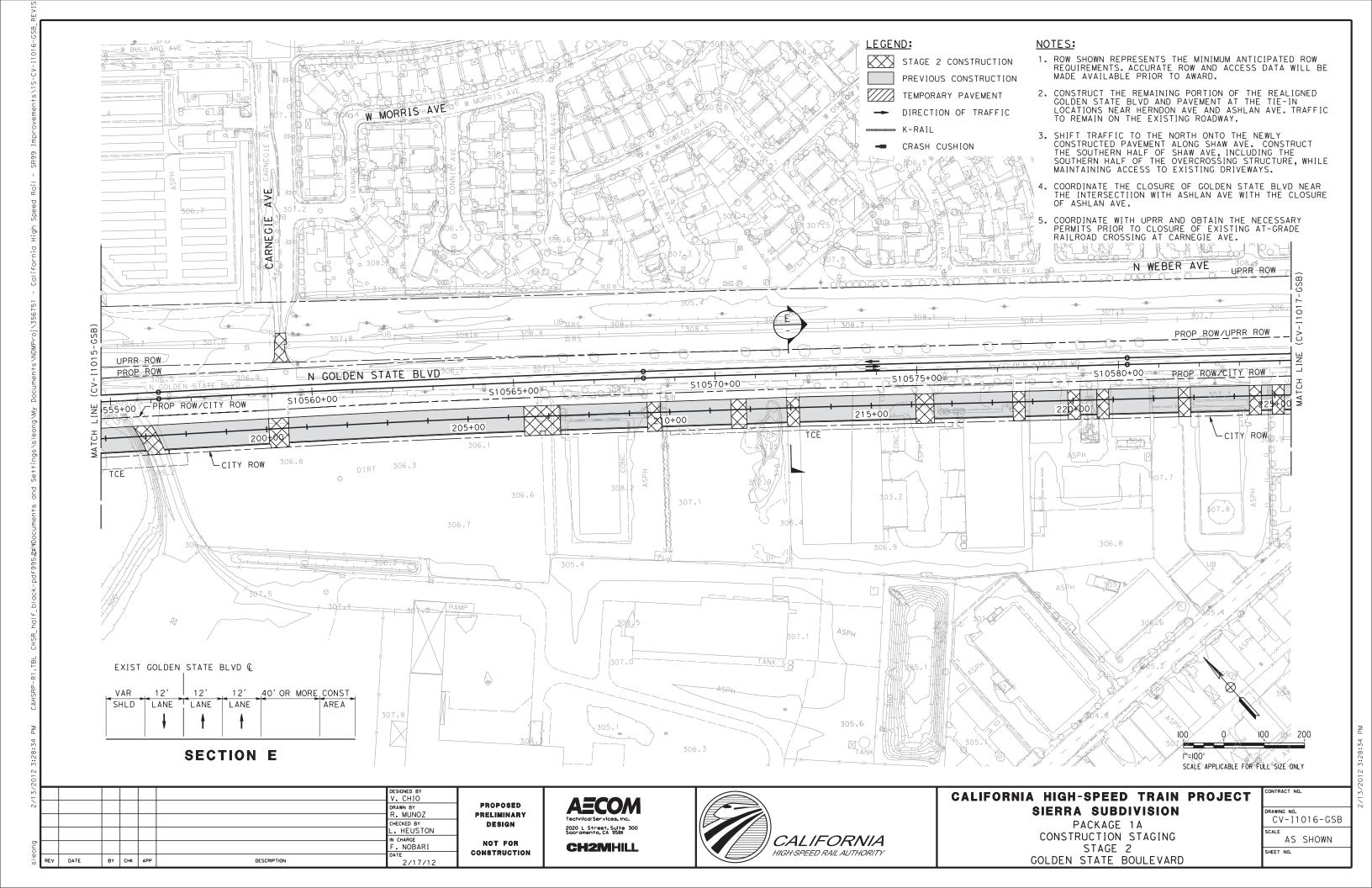
GOLDEN STATE BOULEVARD

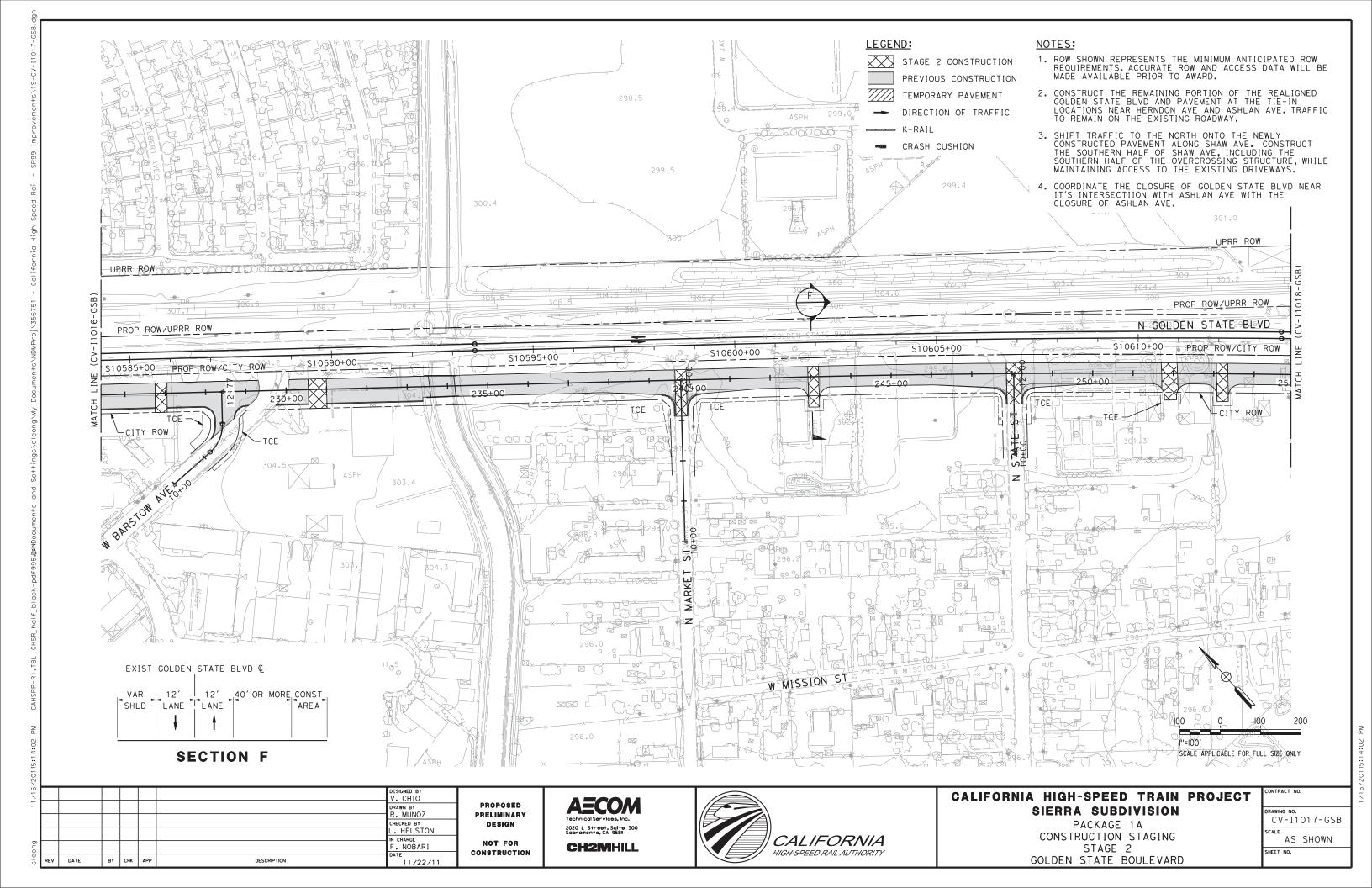


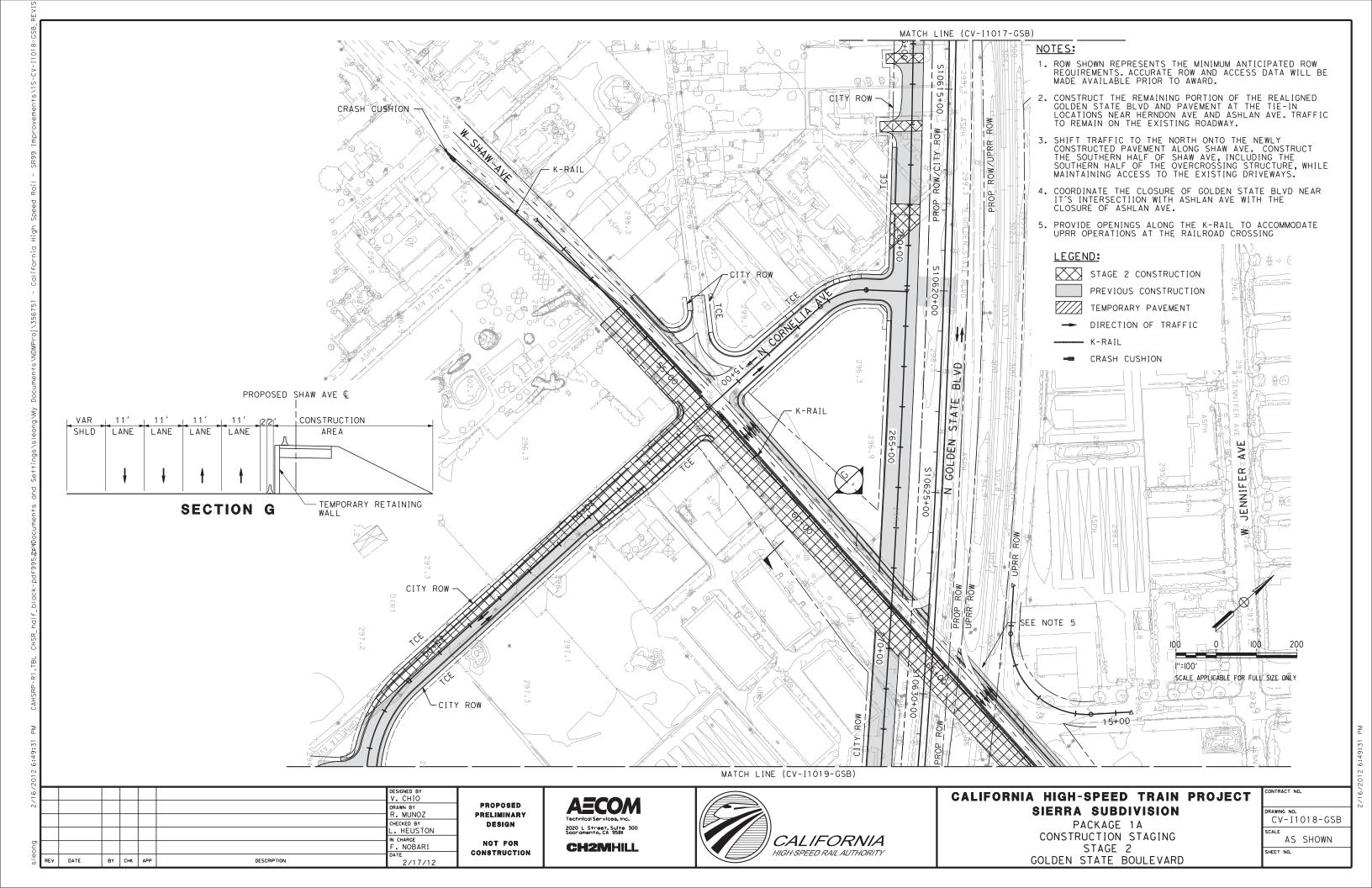


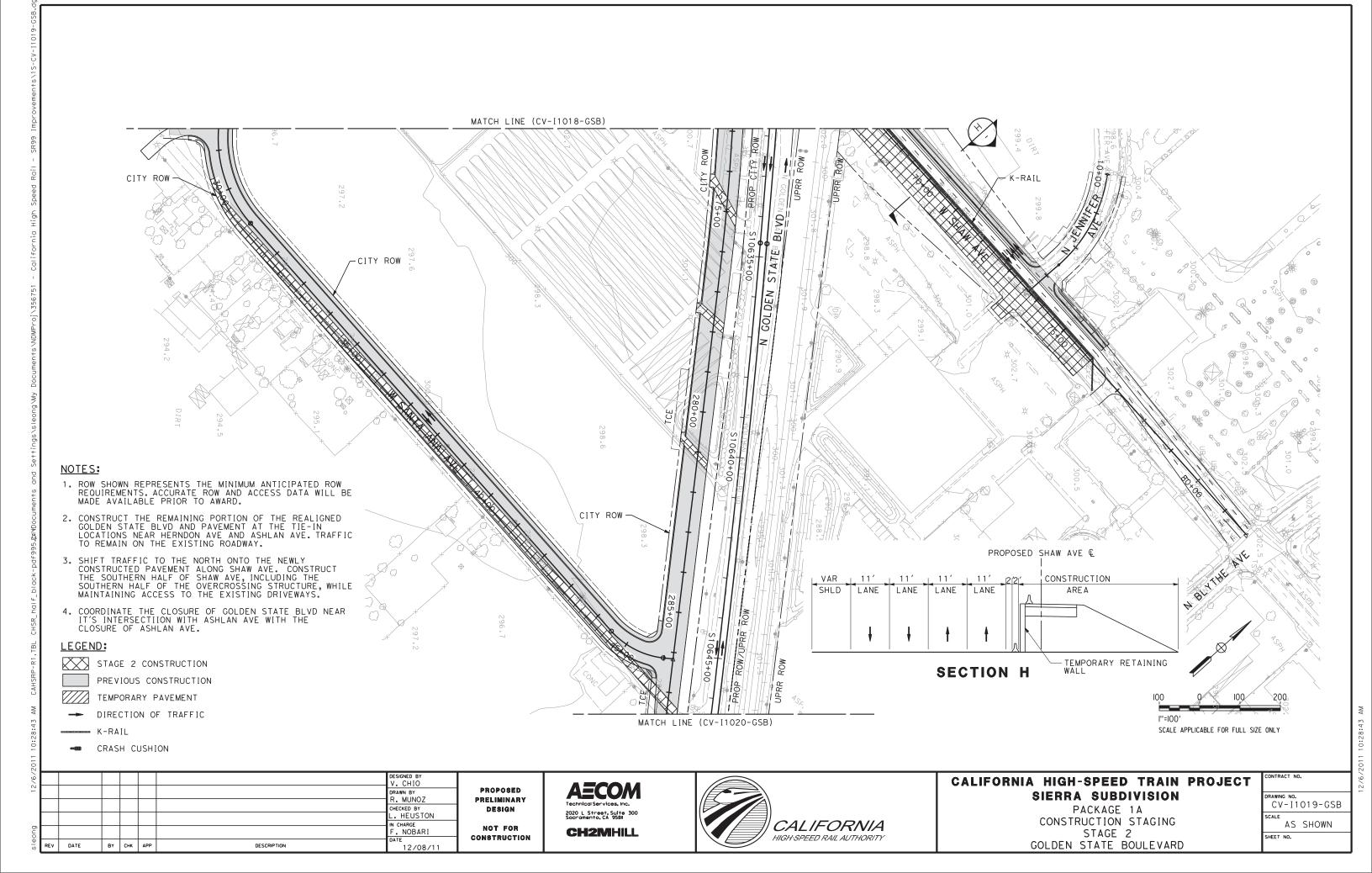


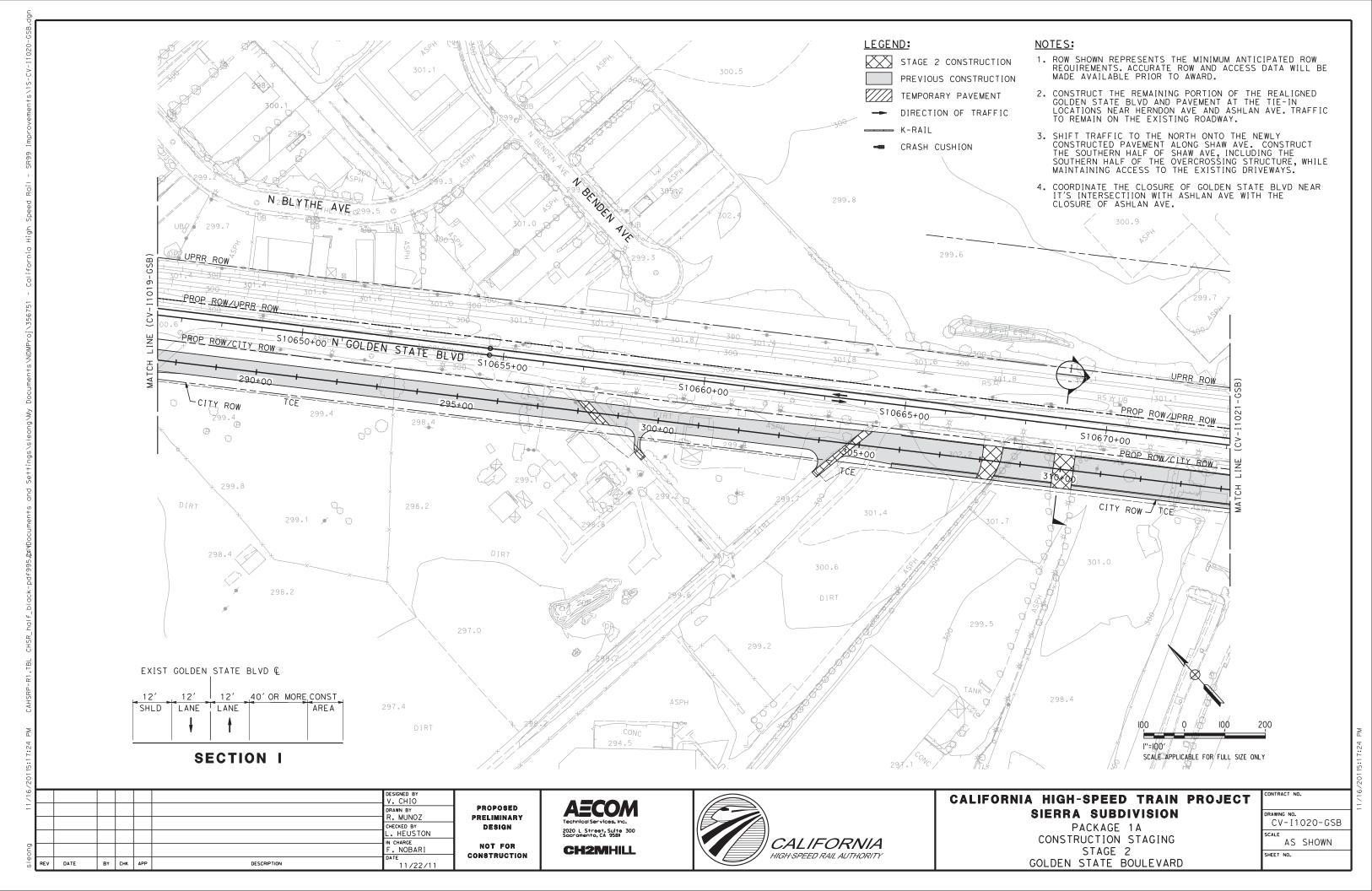


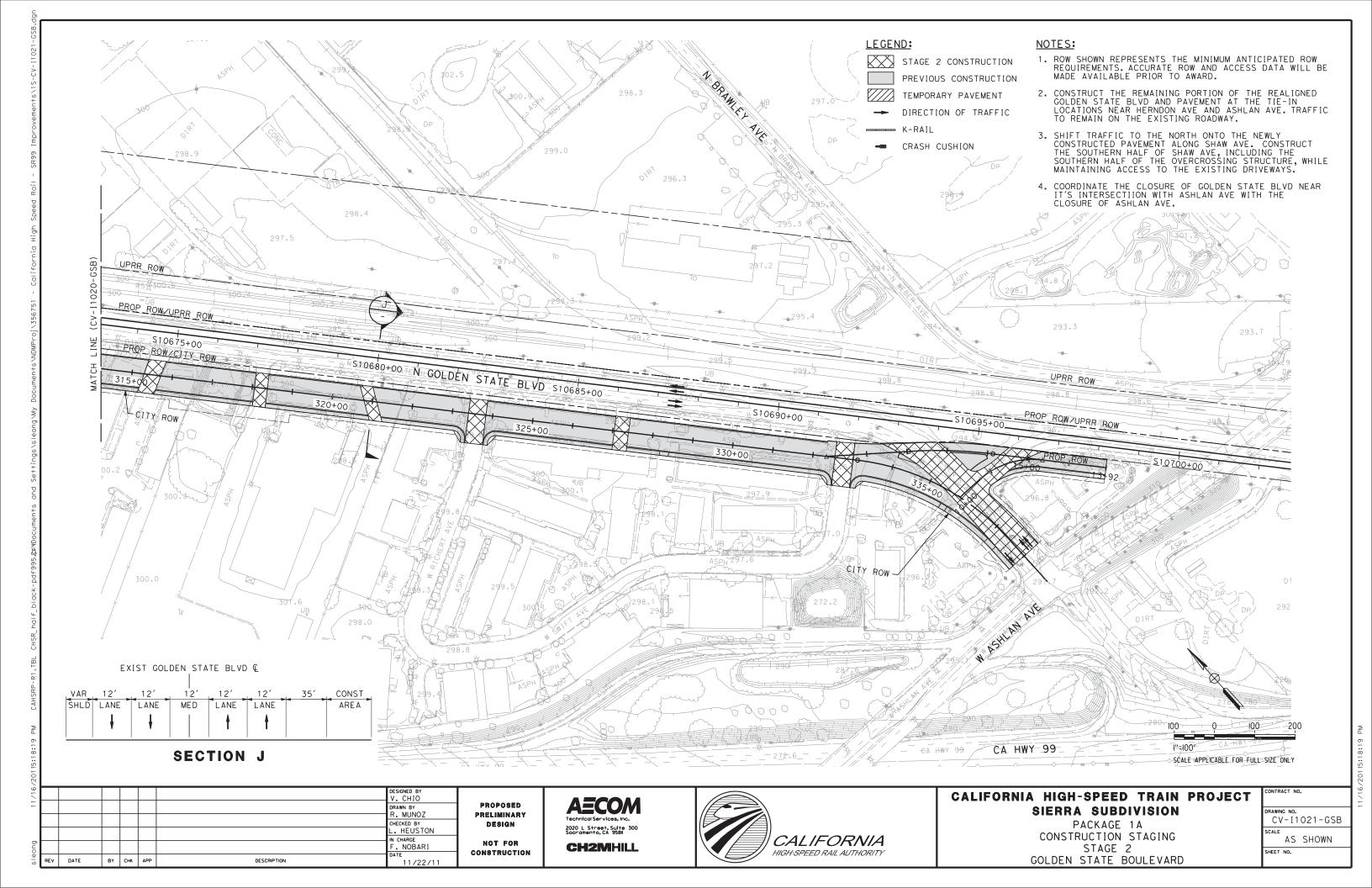


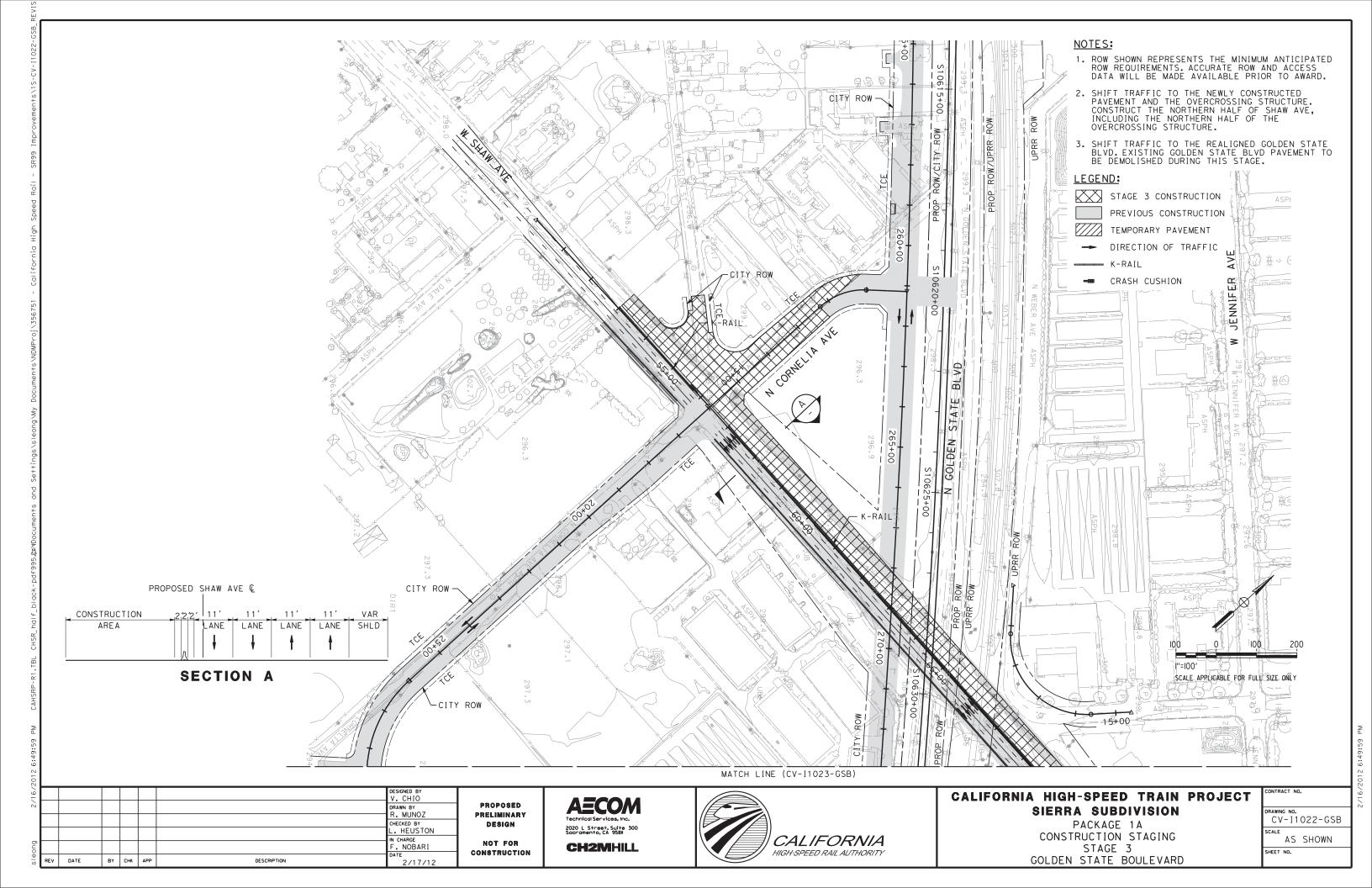


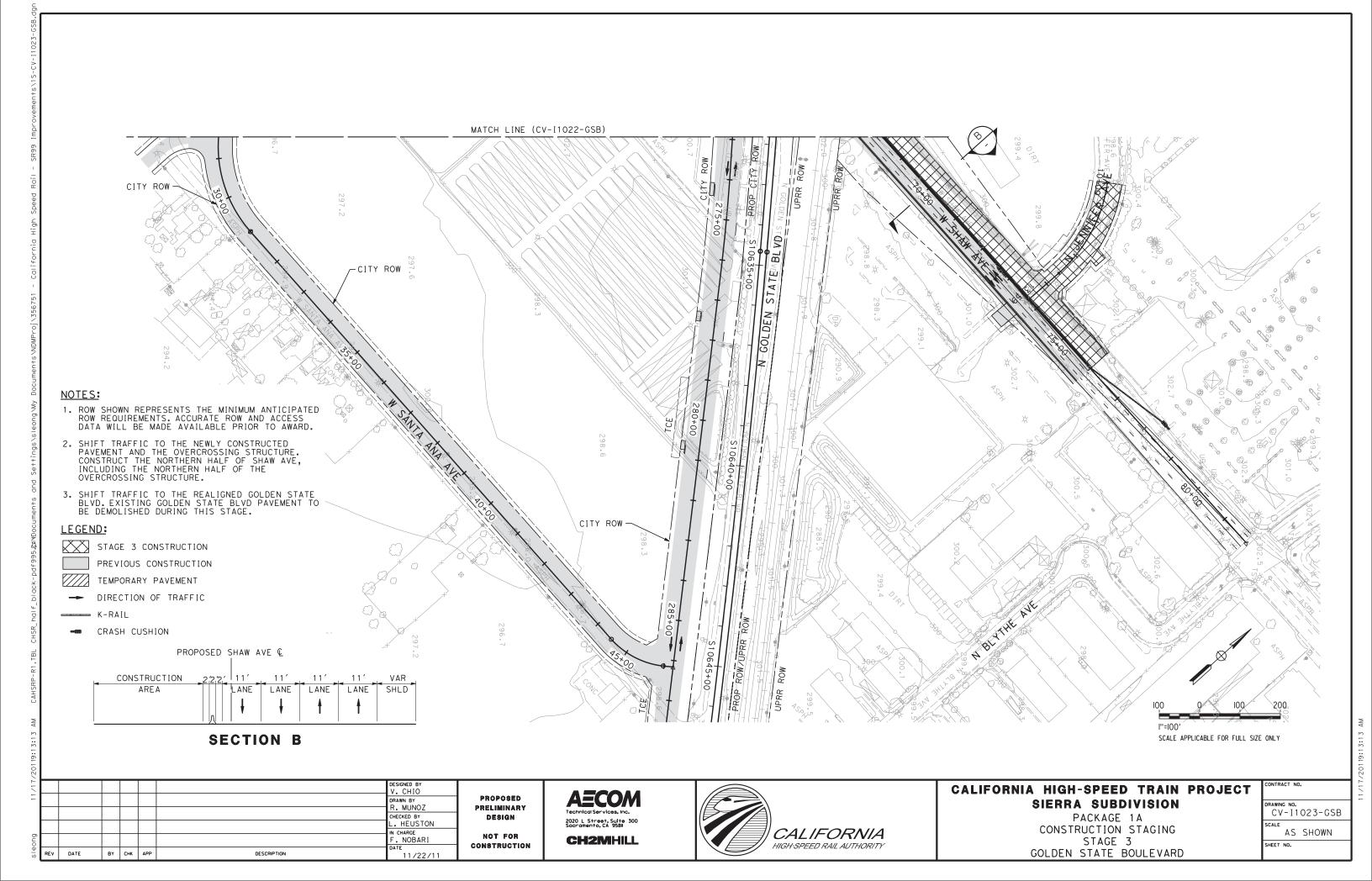


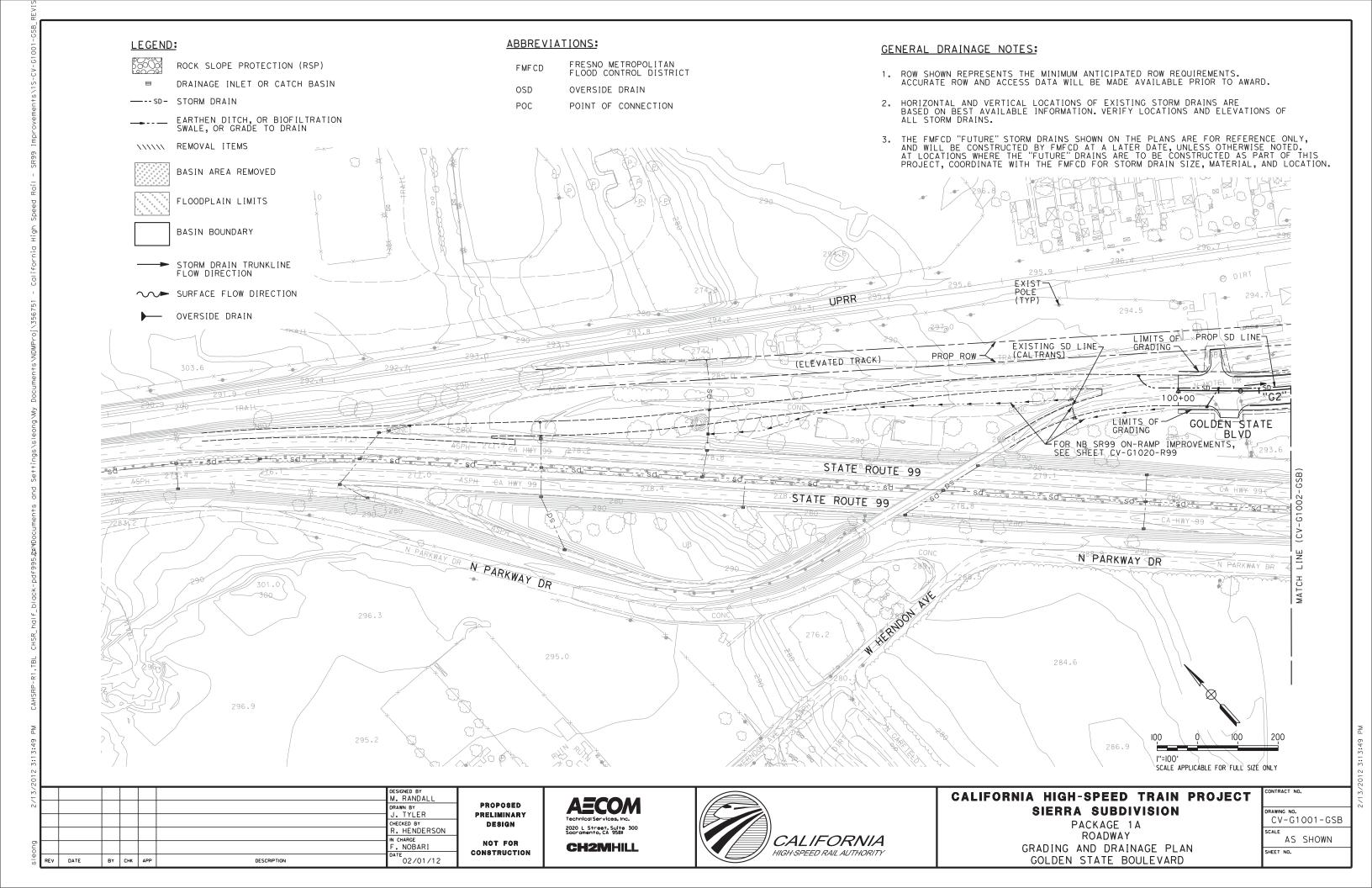


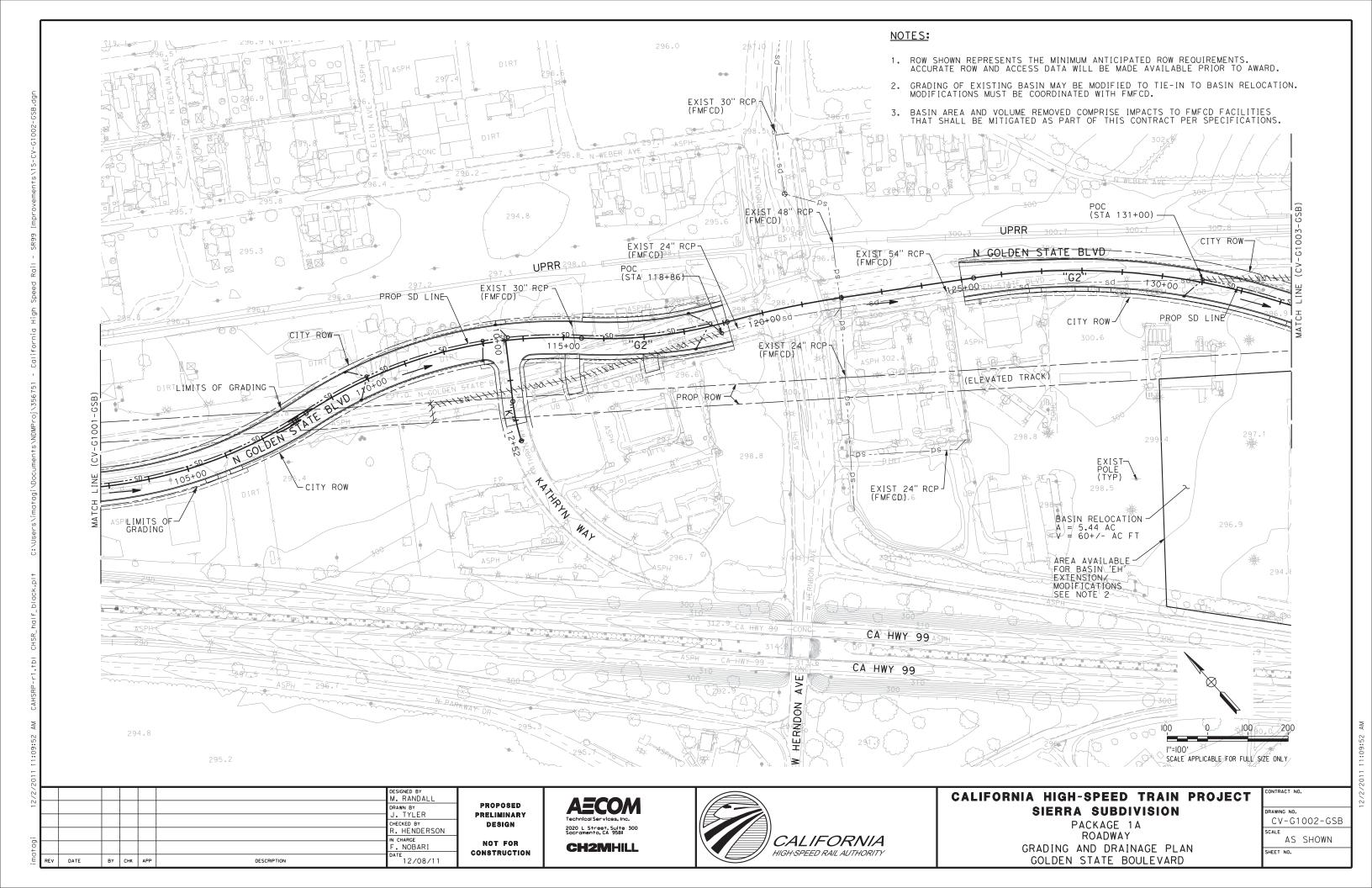


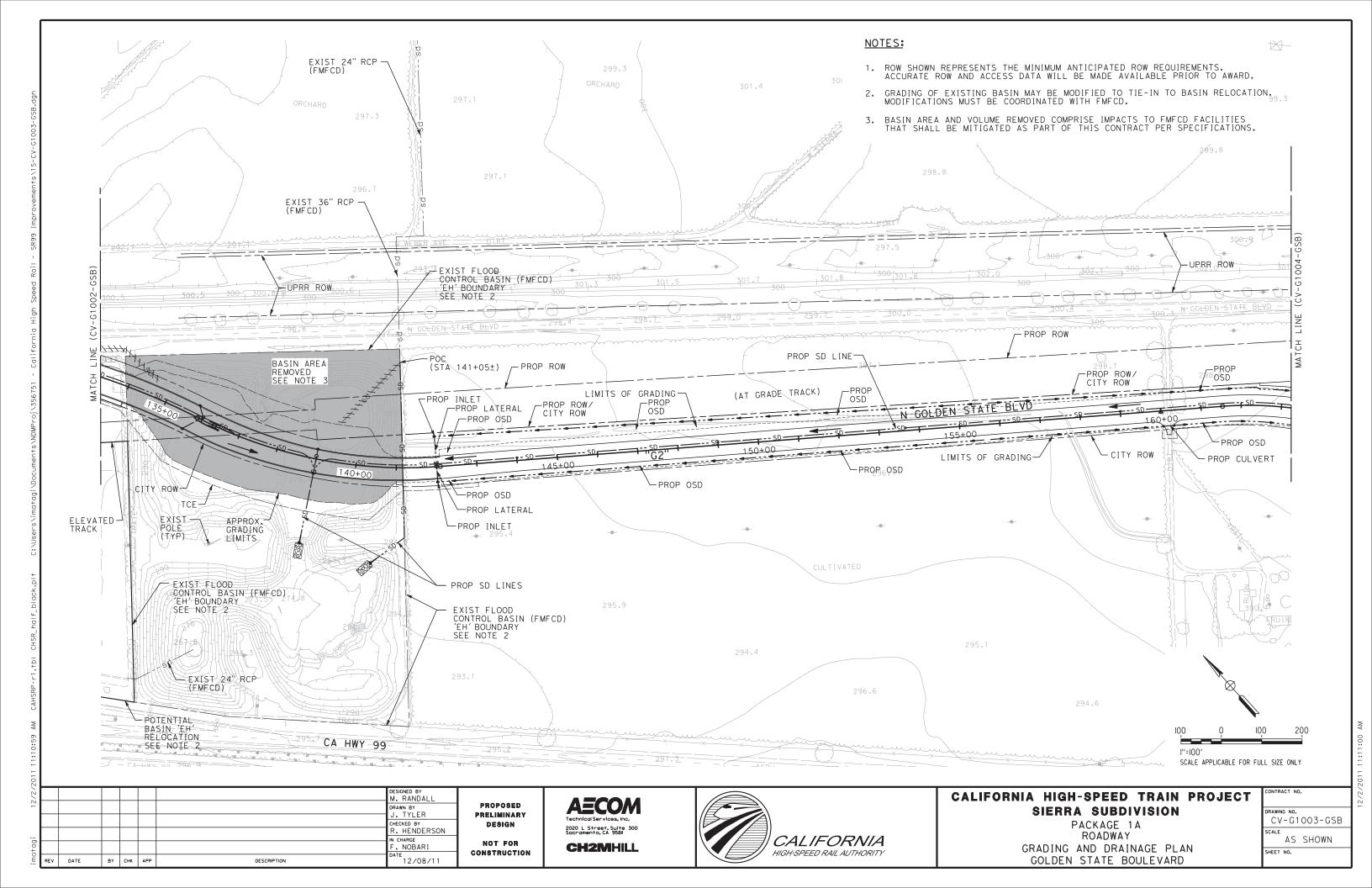


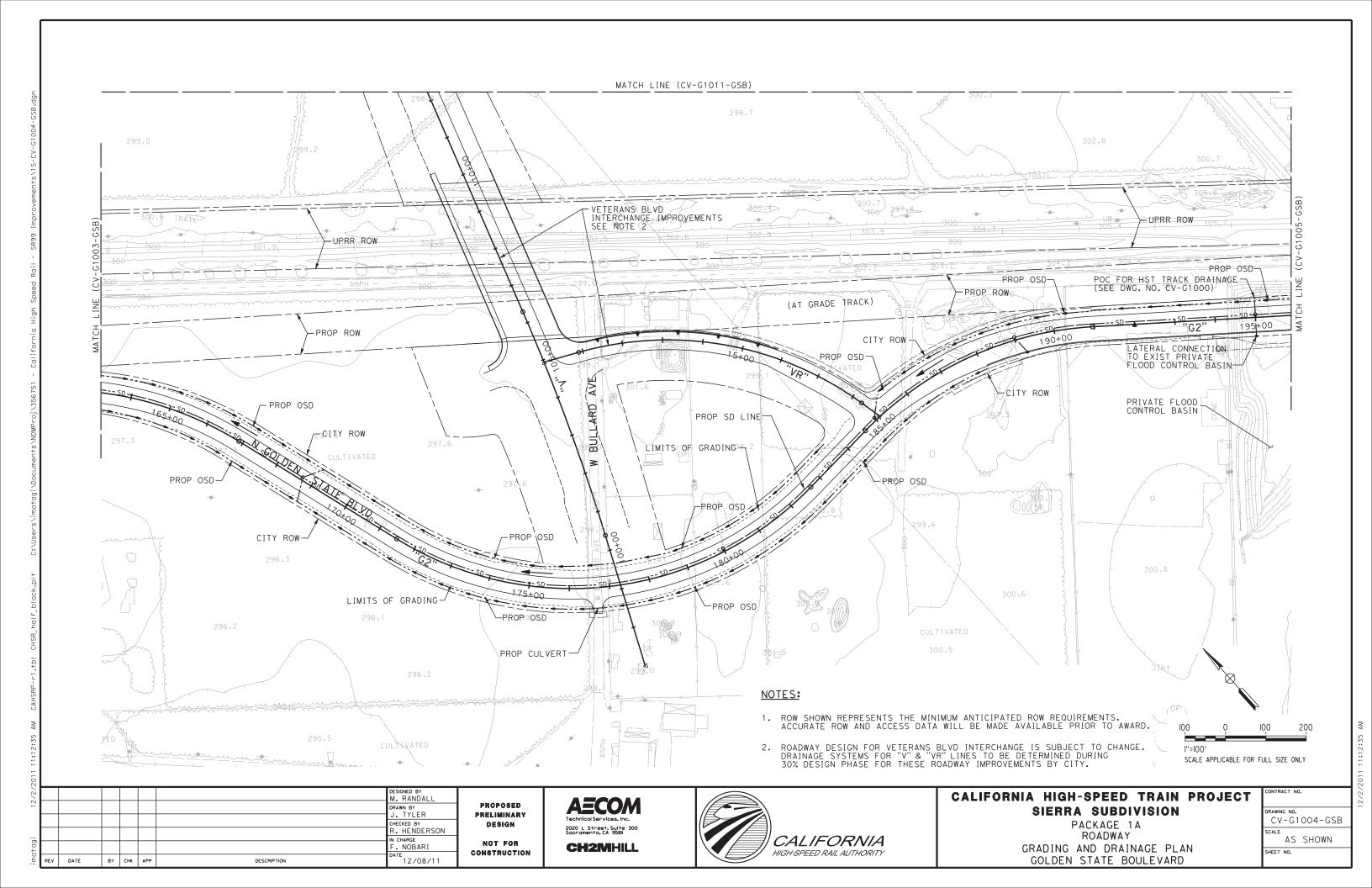


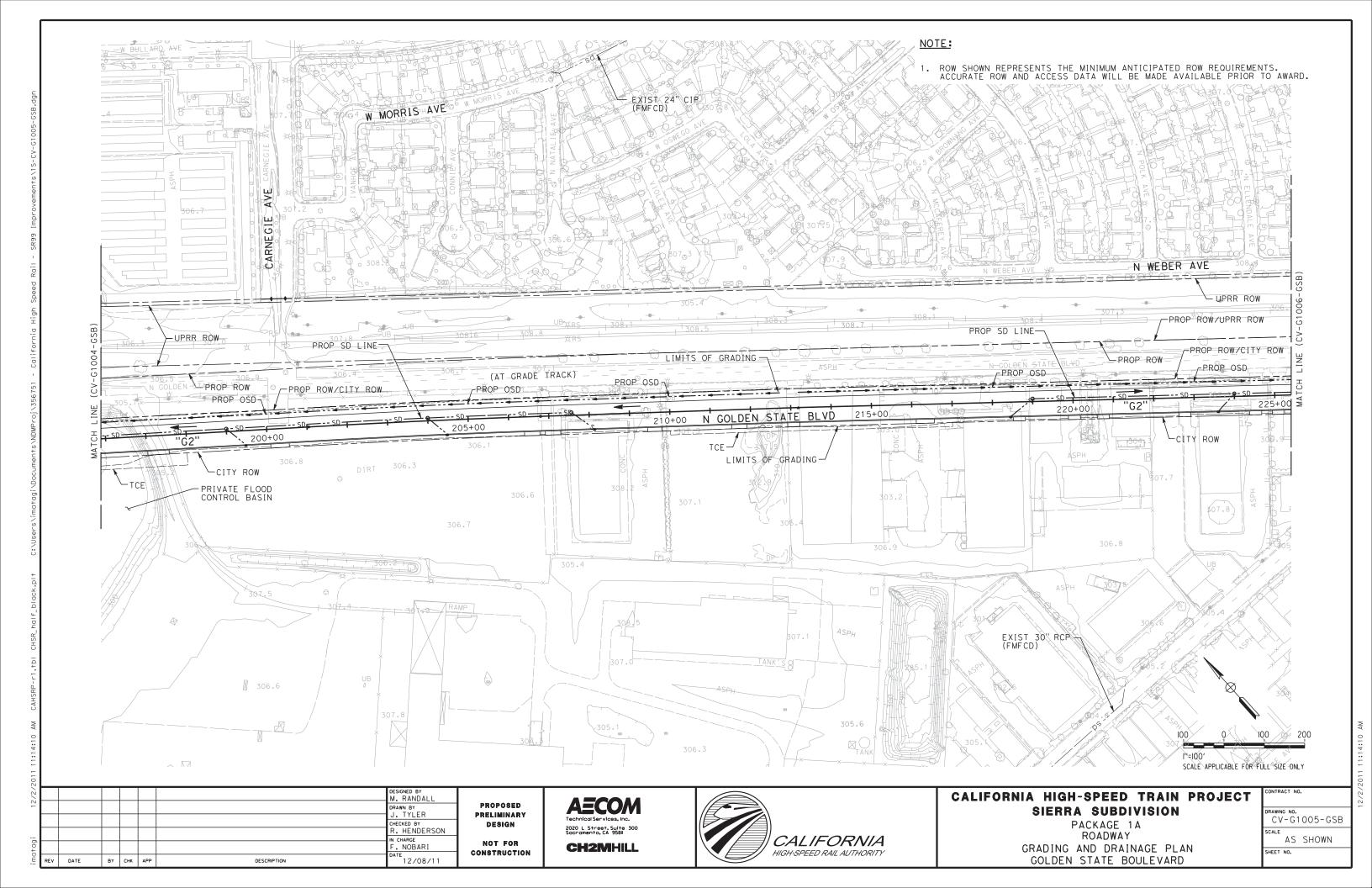


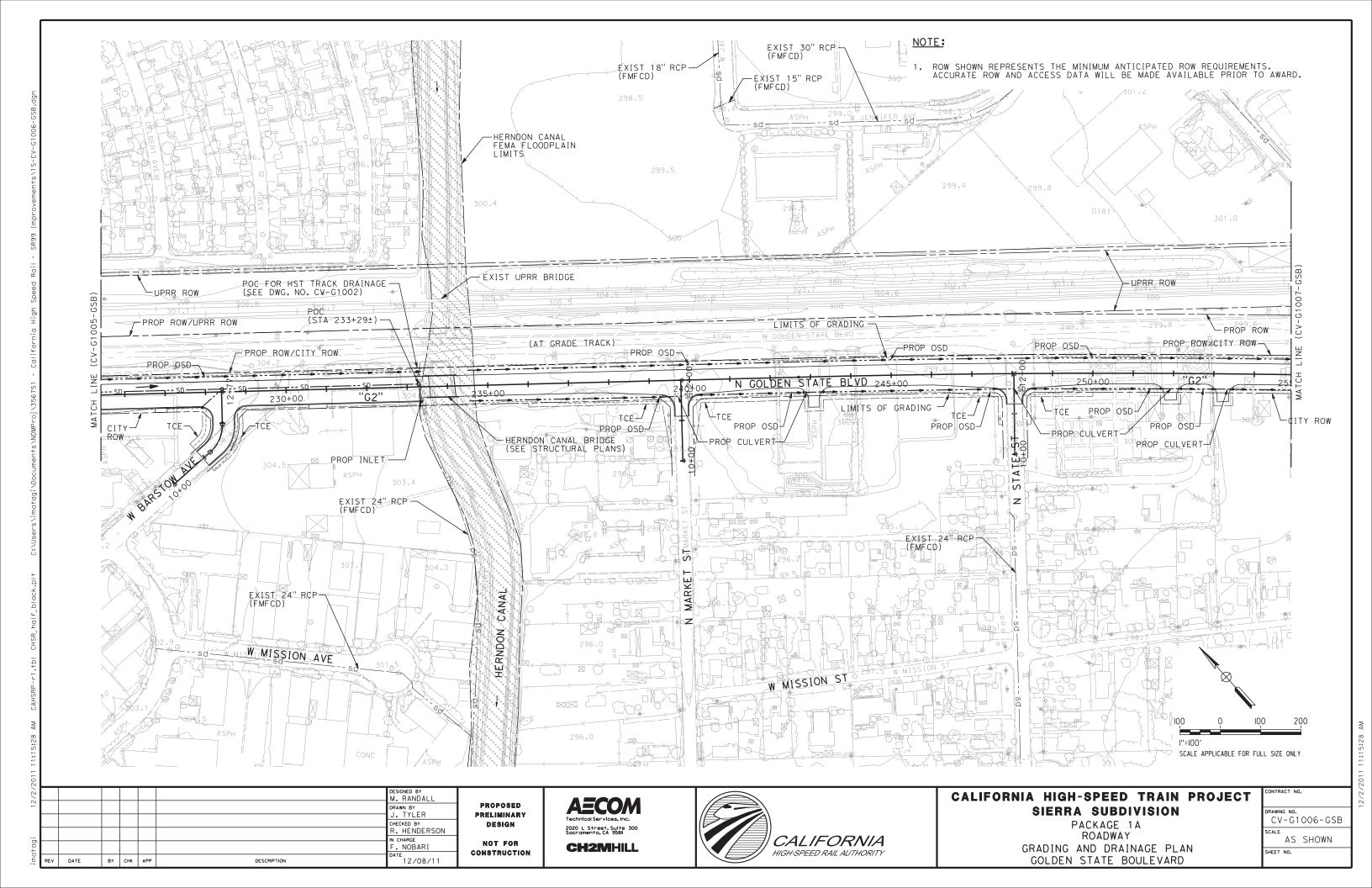


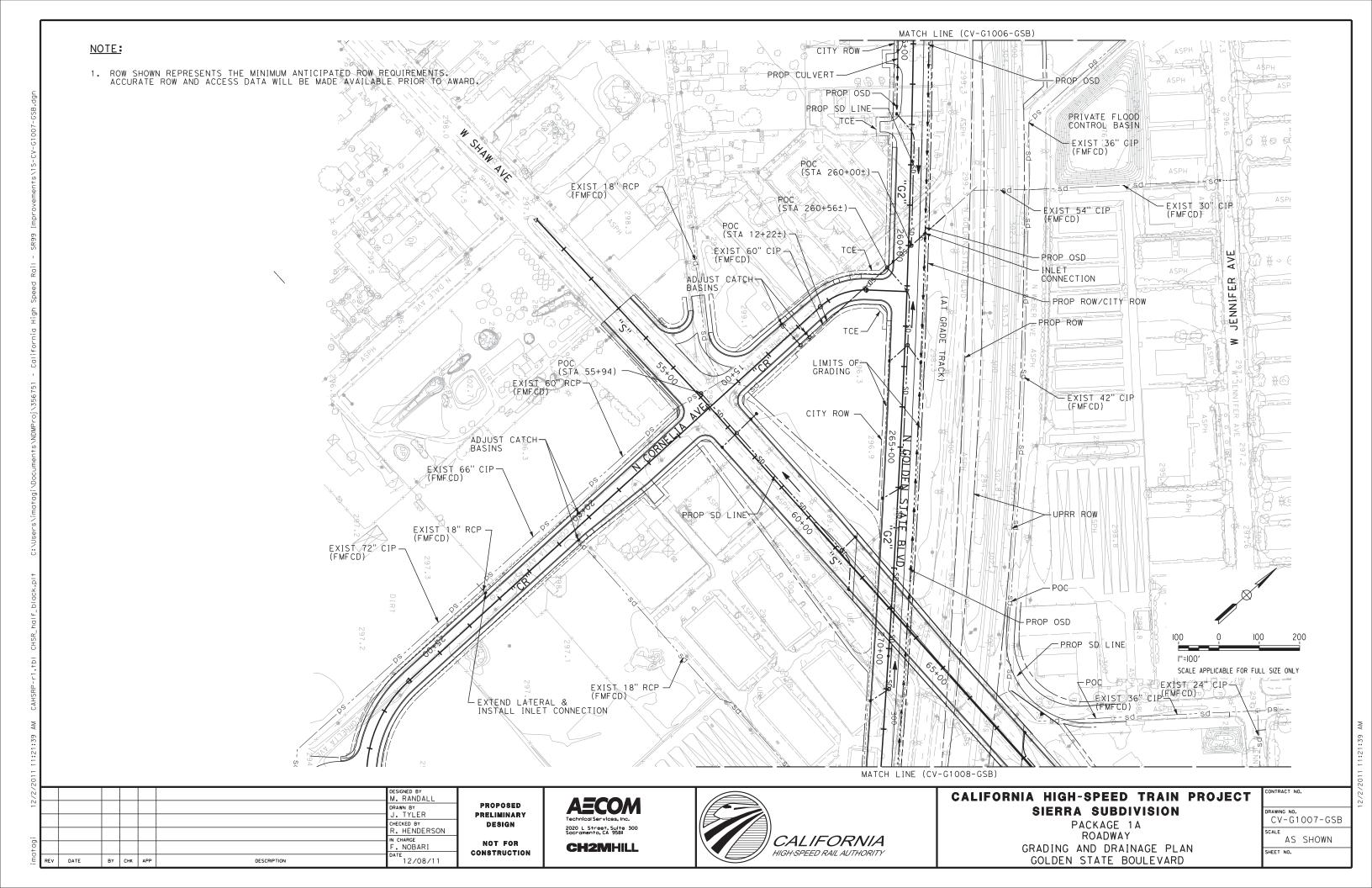




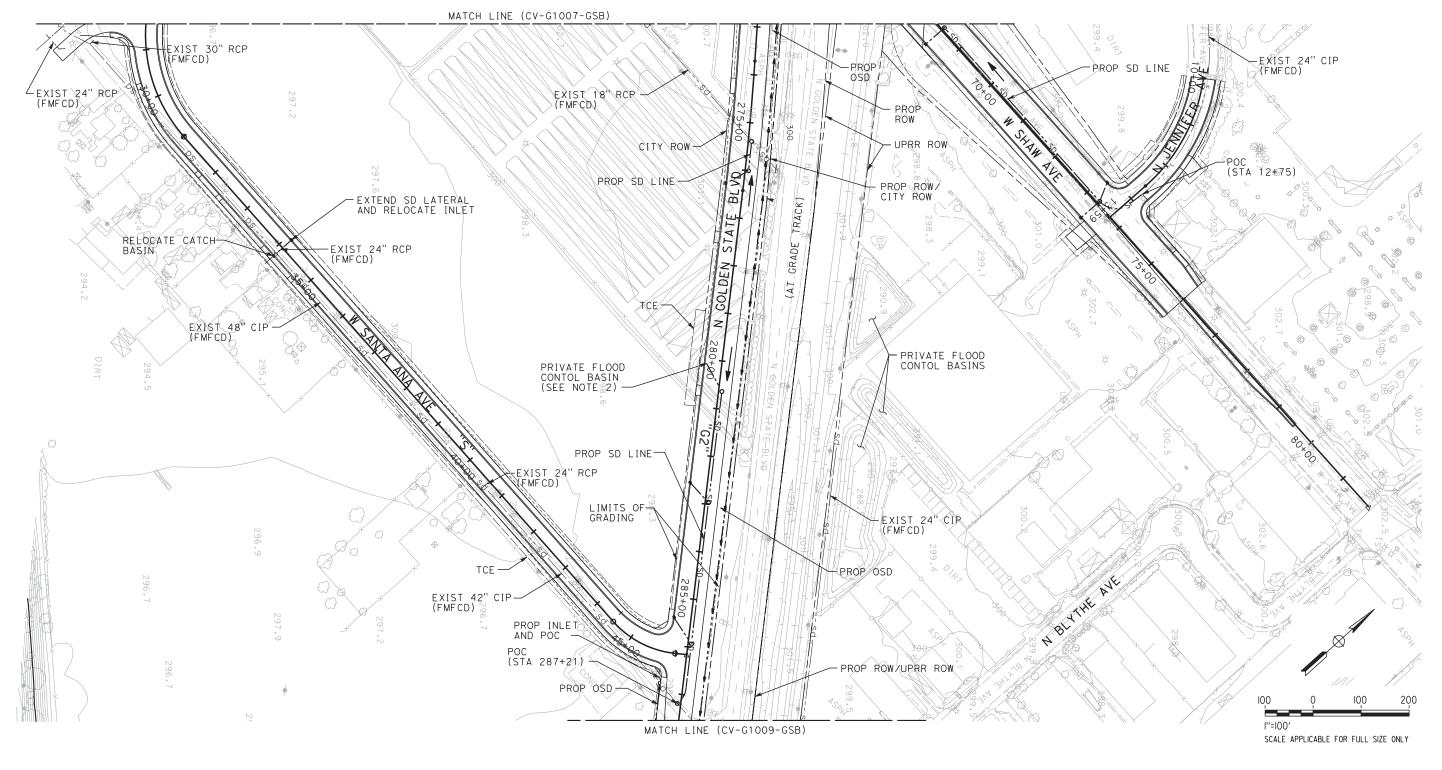








- 1. ROW SHOWN REPRESENTS THE MINIMUM ANTICIPATED ROW REQUIREMENTS. ACCURATE ROW AND ACCESS DATA WILL BE MADE AVAILABLE PRIOR TO AWARD.
- 2. PROVIDE DIRECT CONNECTION TO PRIVATE STORM DRAIN AT BASIN.



| DESIGNED BY | M. RANDALL | DRAWN BY | J. TYLER | CHECKED BY | M. RANDALL | DRAWN BY | J. TYLER | CHECKED BY | R. HENDERSON | N. CHARGE | F. NOBARI | DATE | T. NOBARI | T. NOBARI | DATE | T. NOBARI | T.

PROPOSED
PRELIMINARY
DESIGN
NOT FOR

CONSTRUCTION

AECOM Technical Services, Inc. 2020 L Street, Suite 300 Socramento, CA 958II CH2MHILL

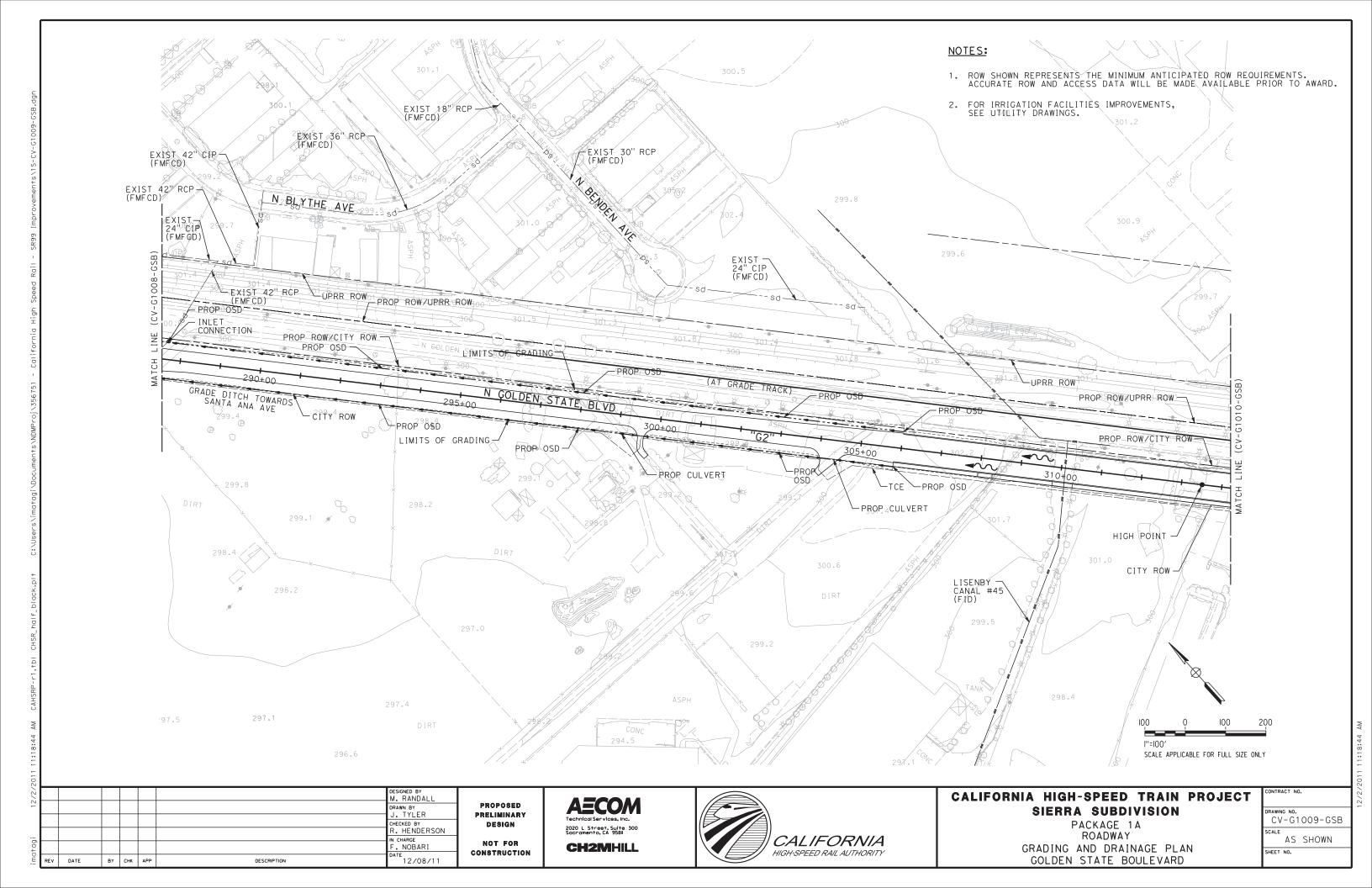


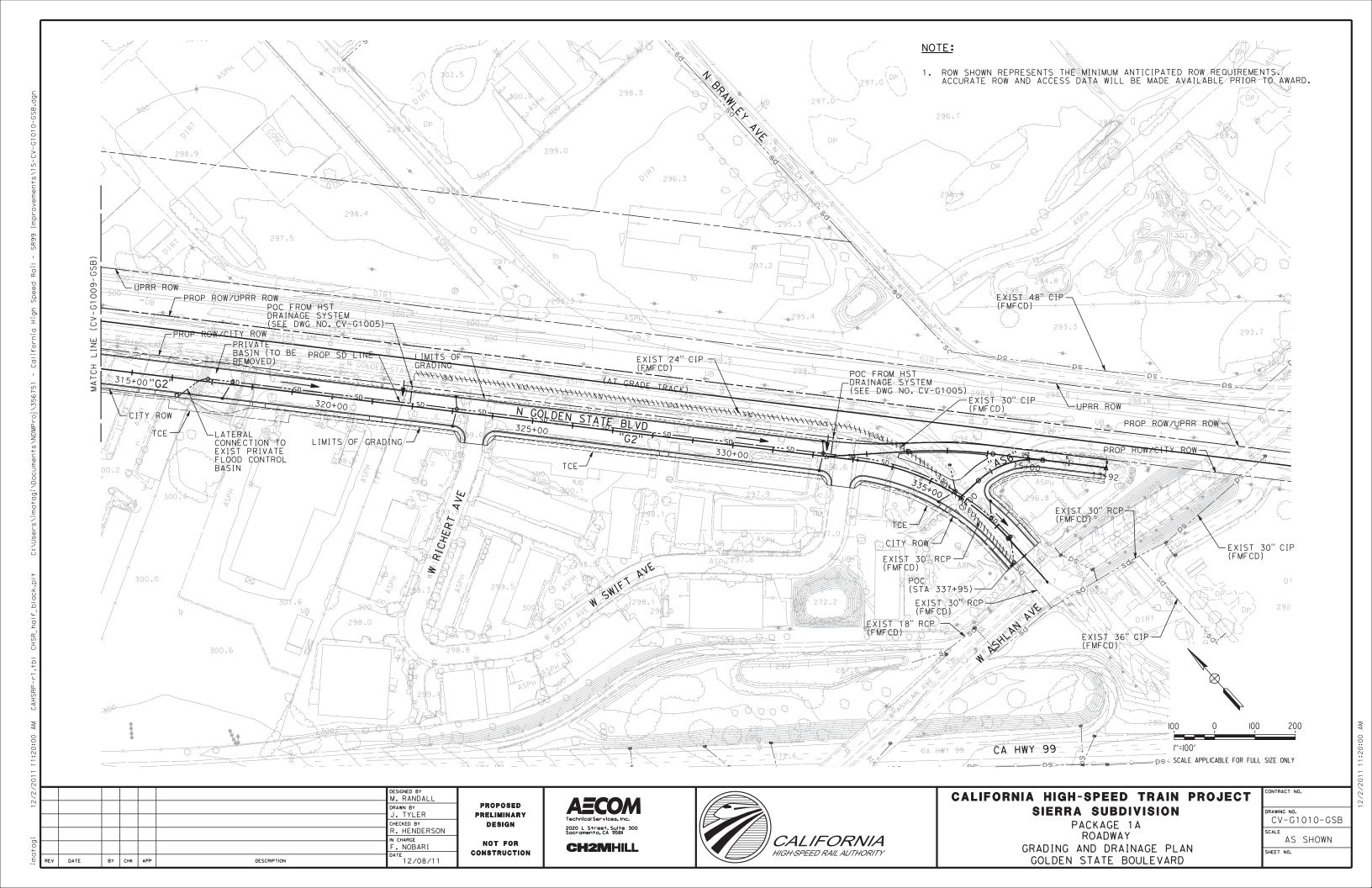
## CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

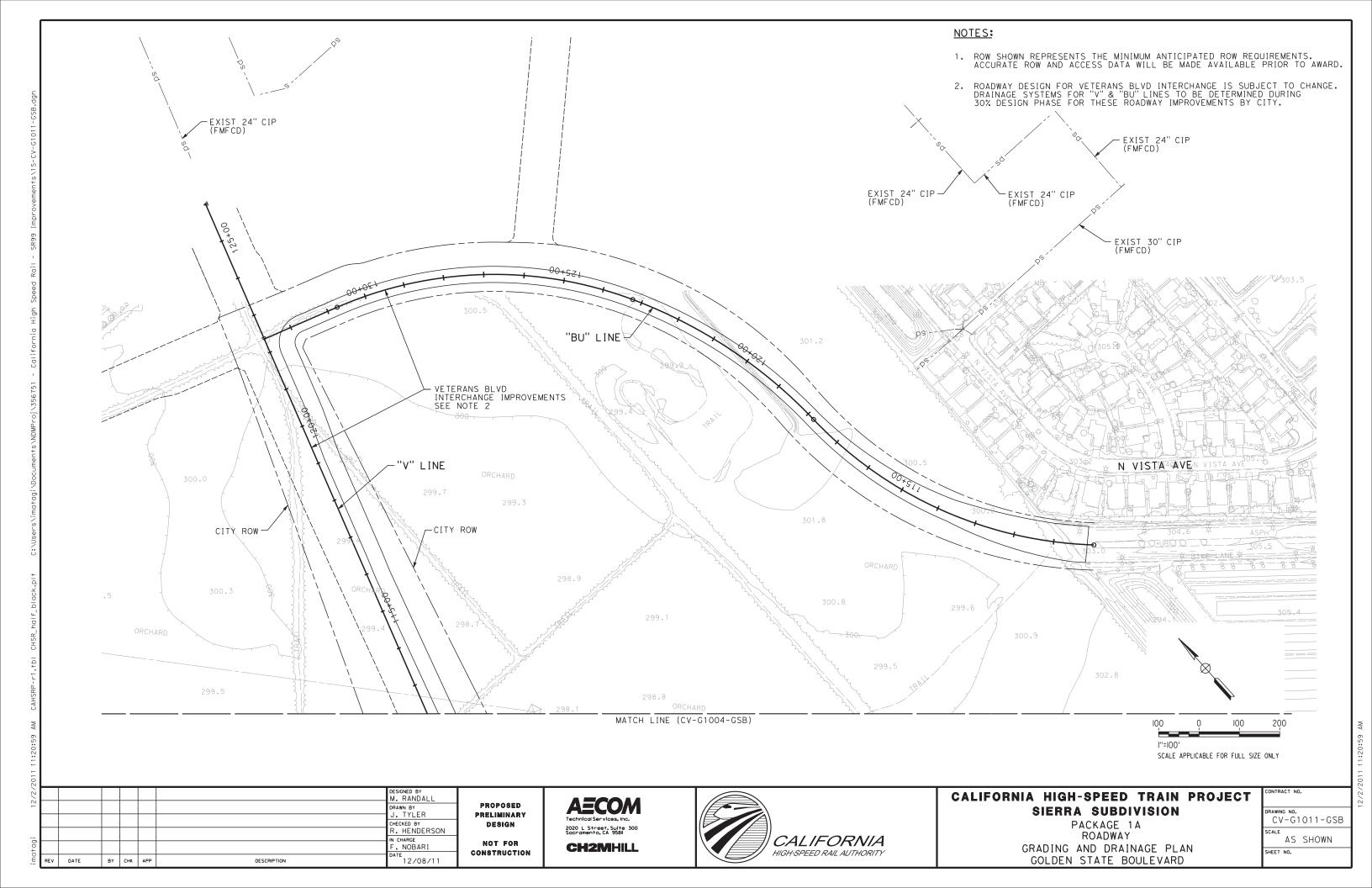
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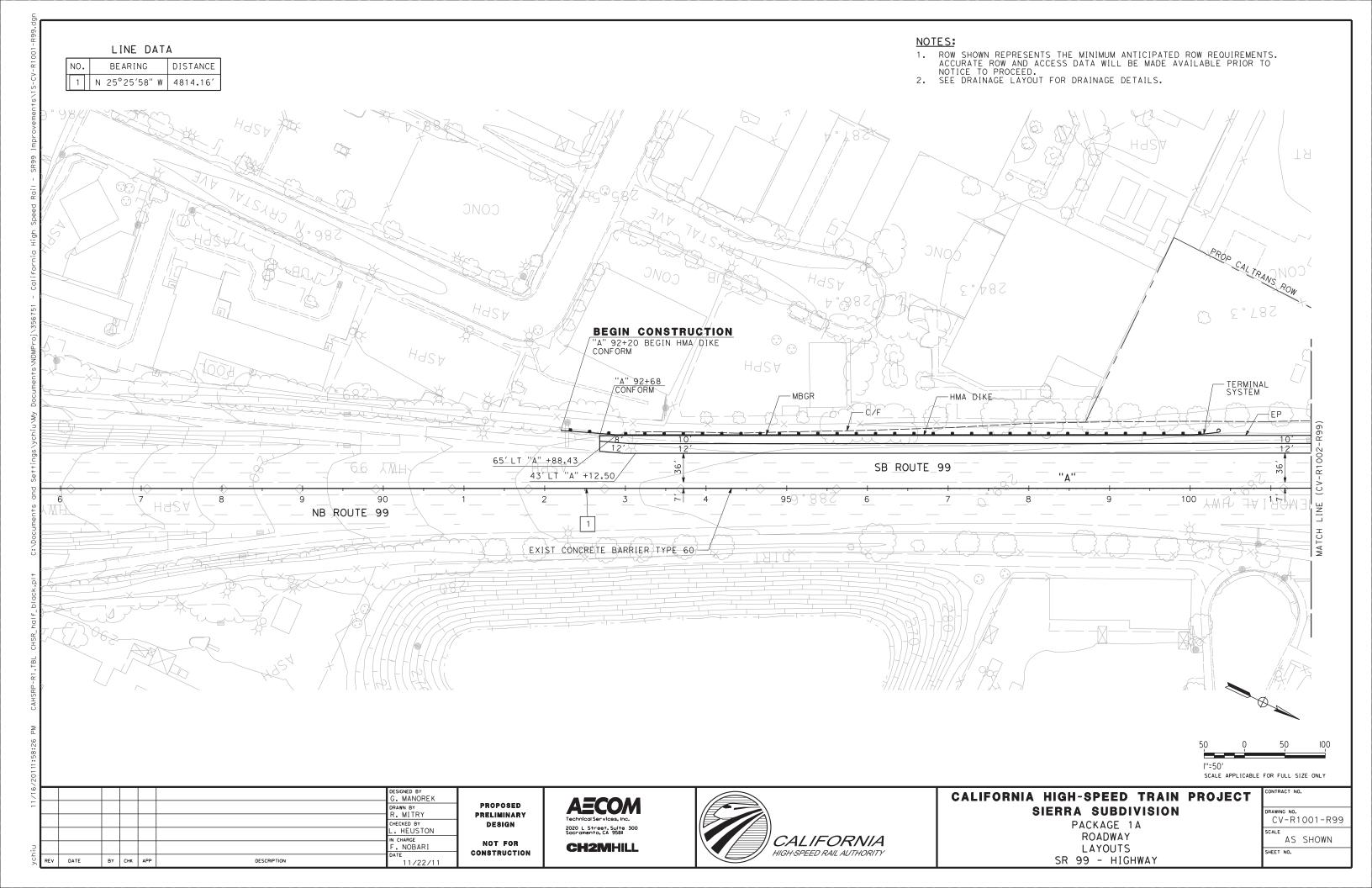
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CV	′-G1	008-GSB
SCALE		
	AS	SHOWN
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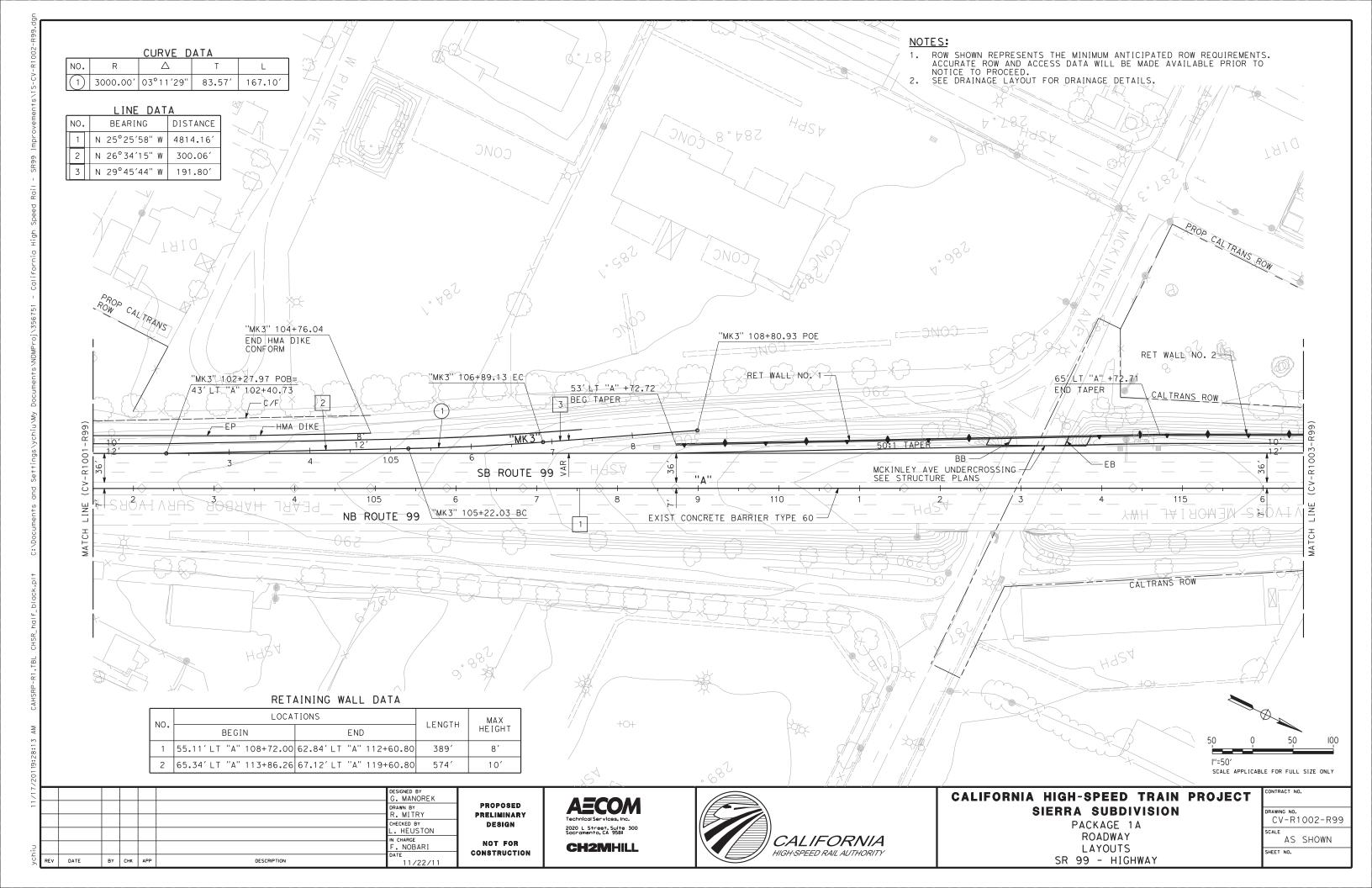
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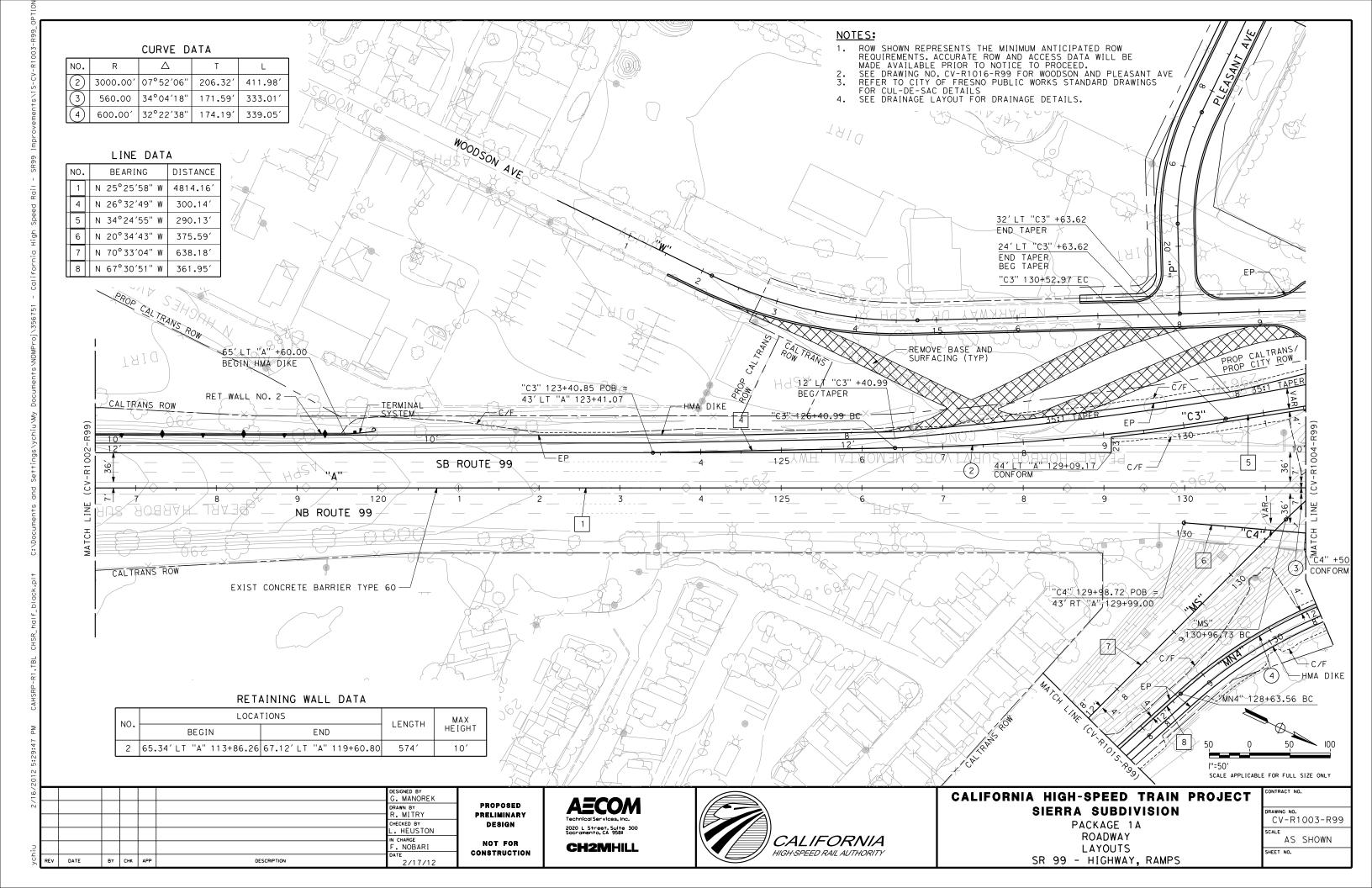


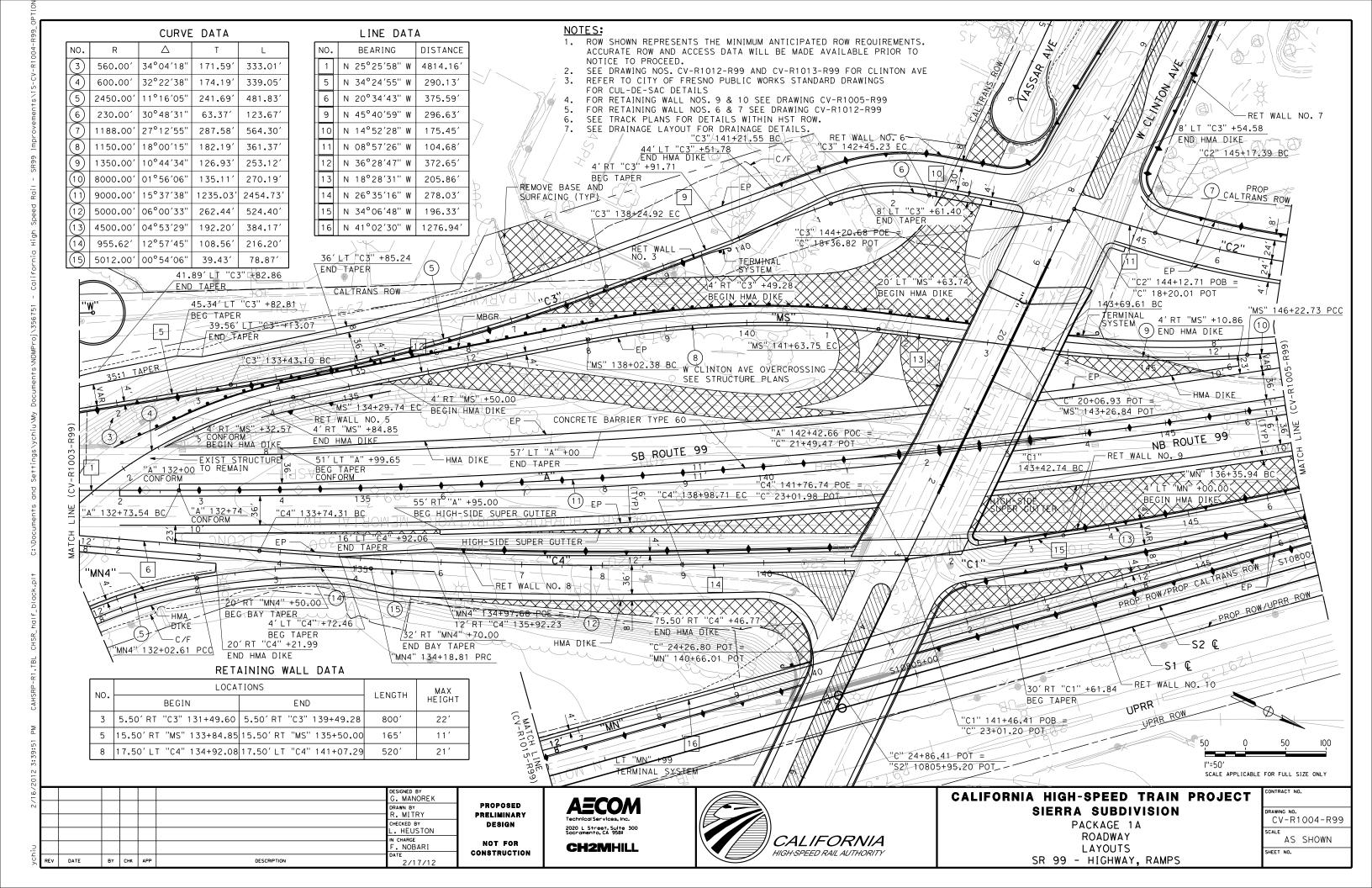


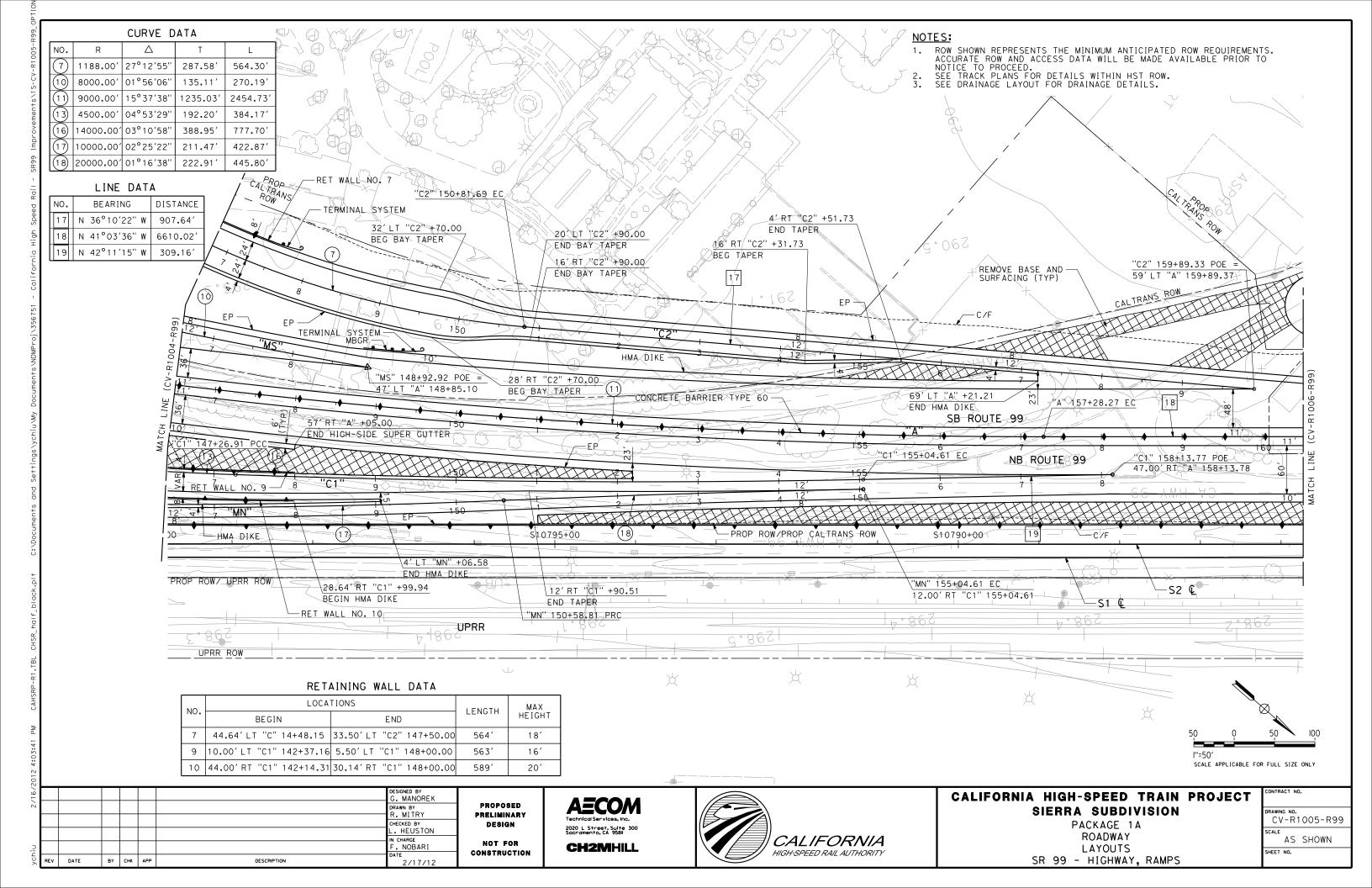


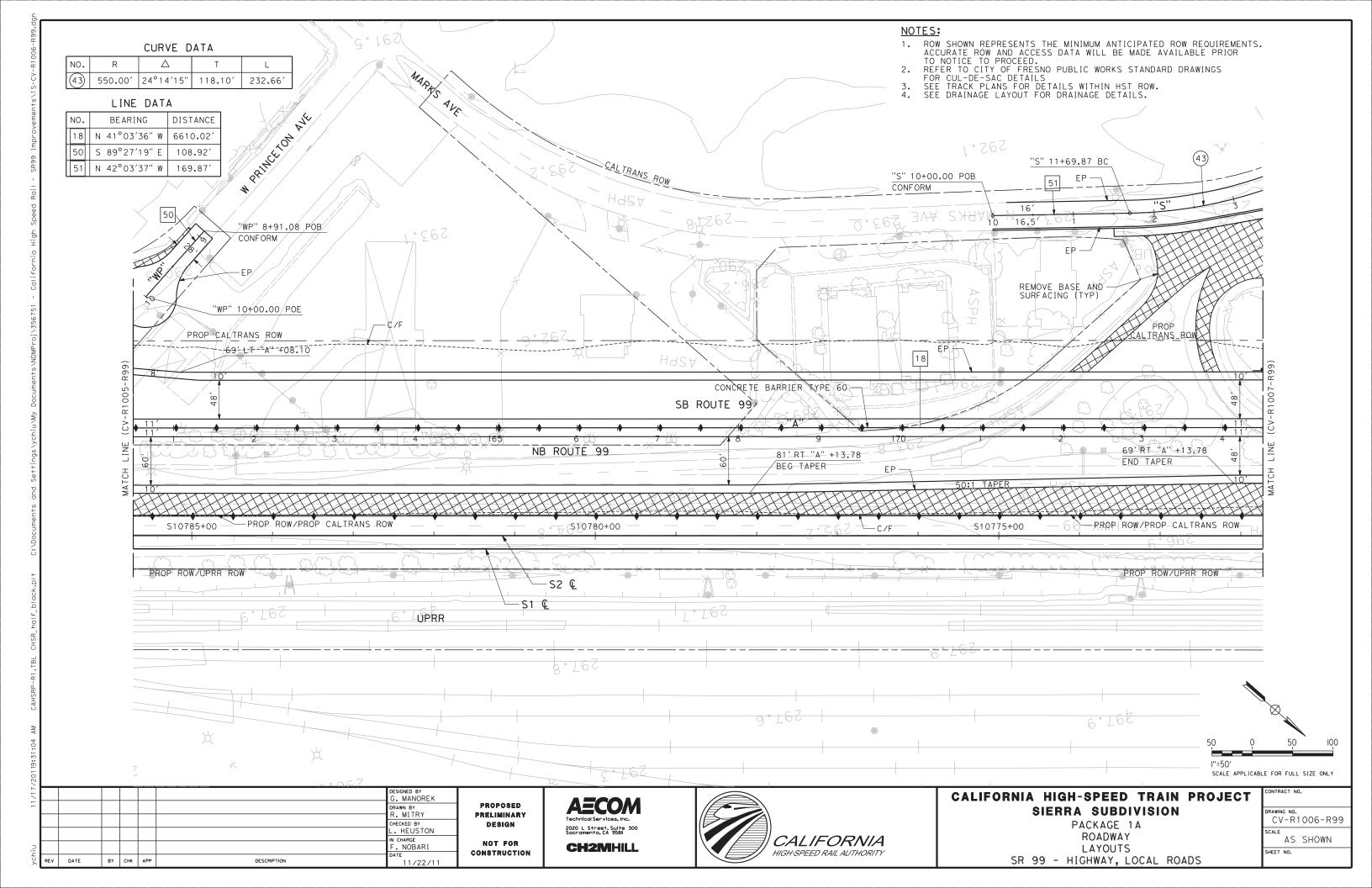


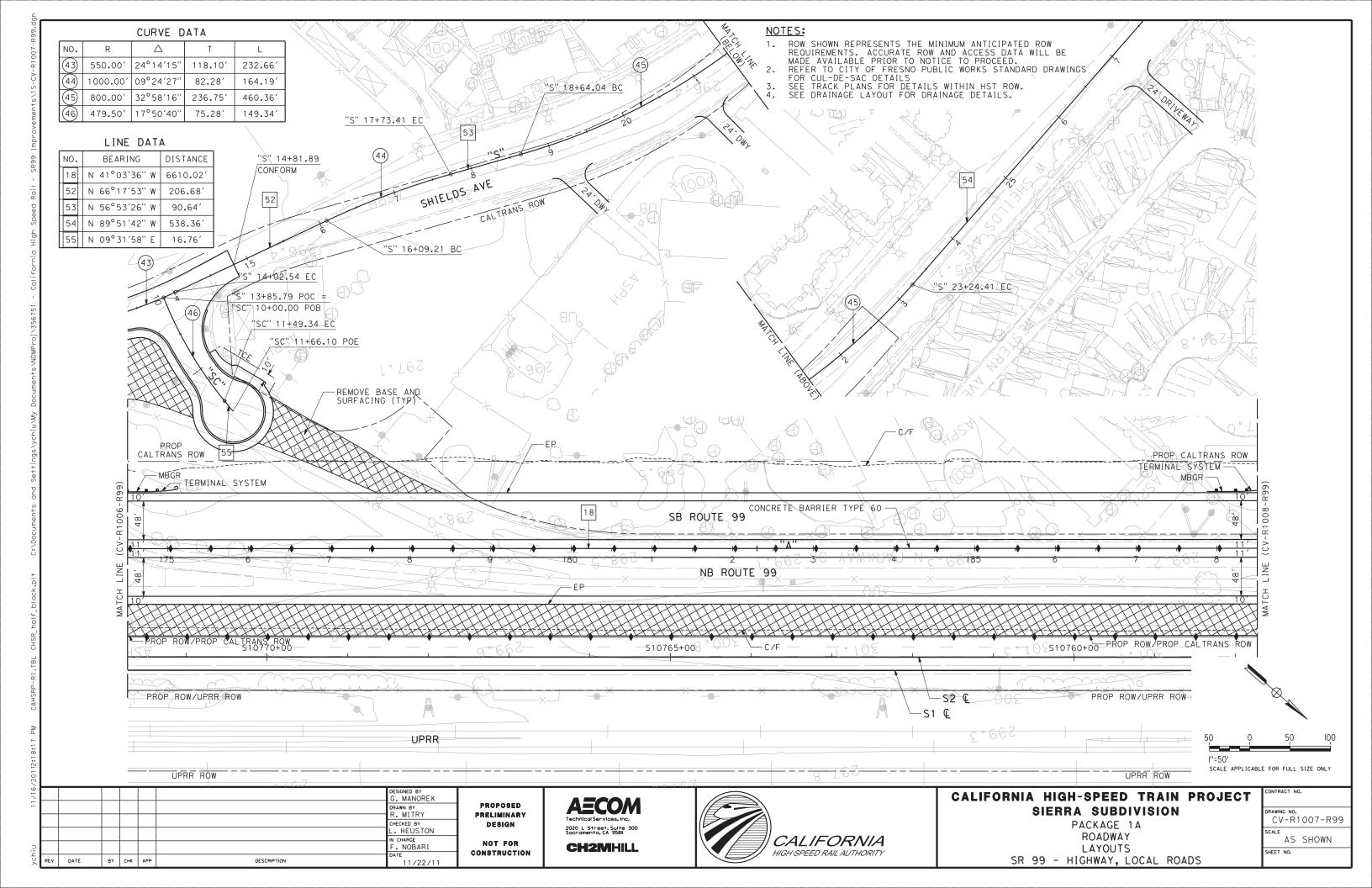


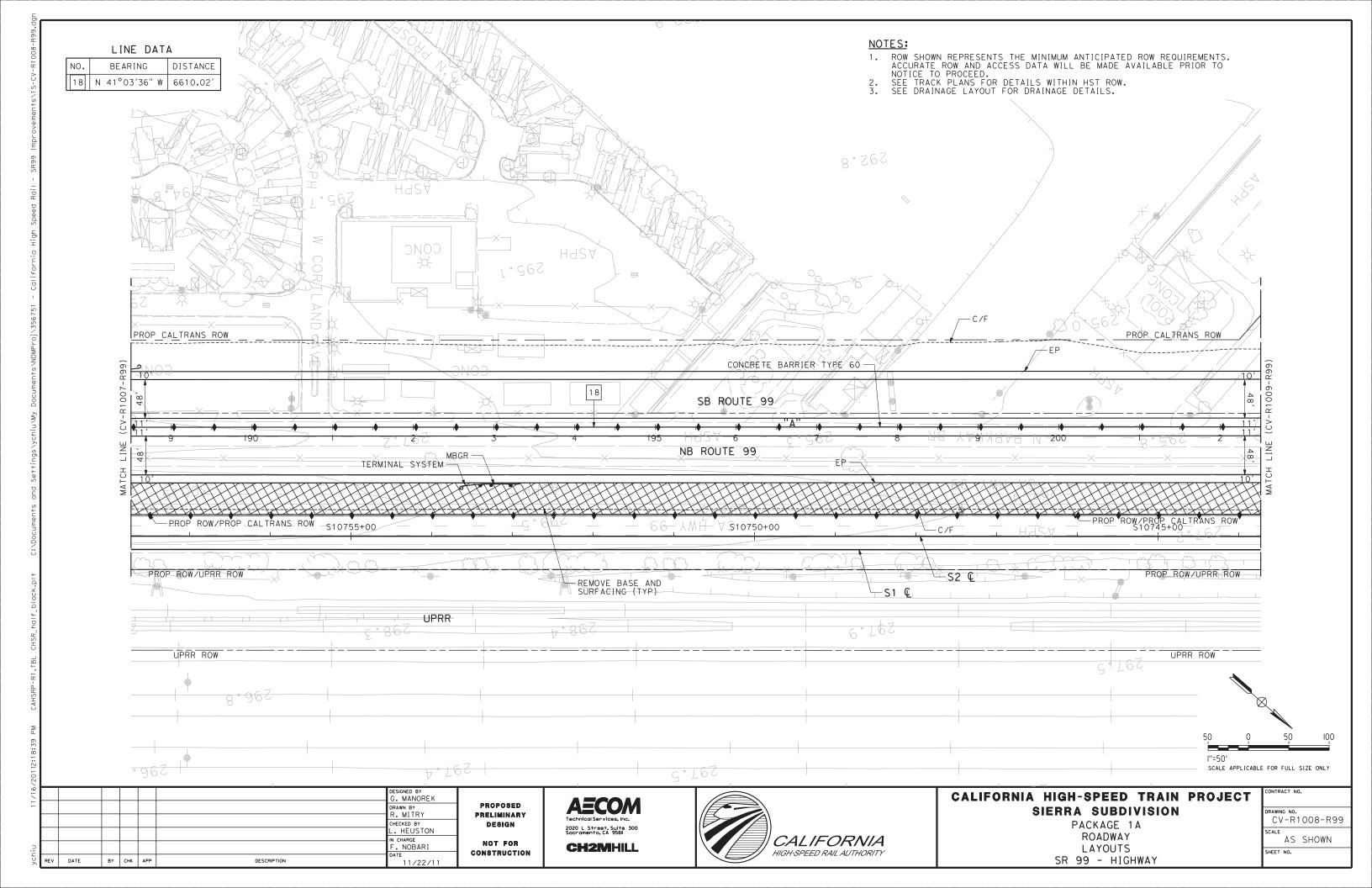


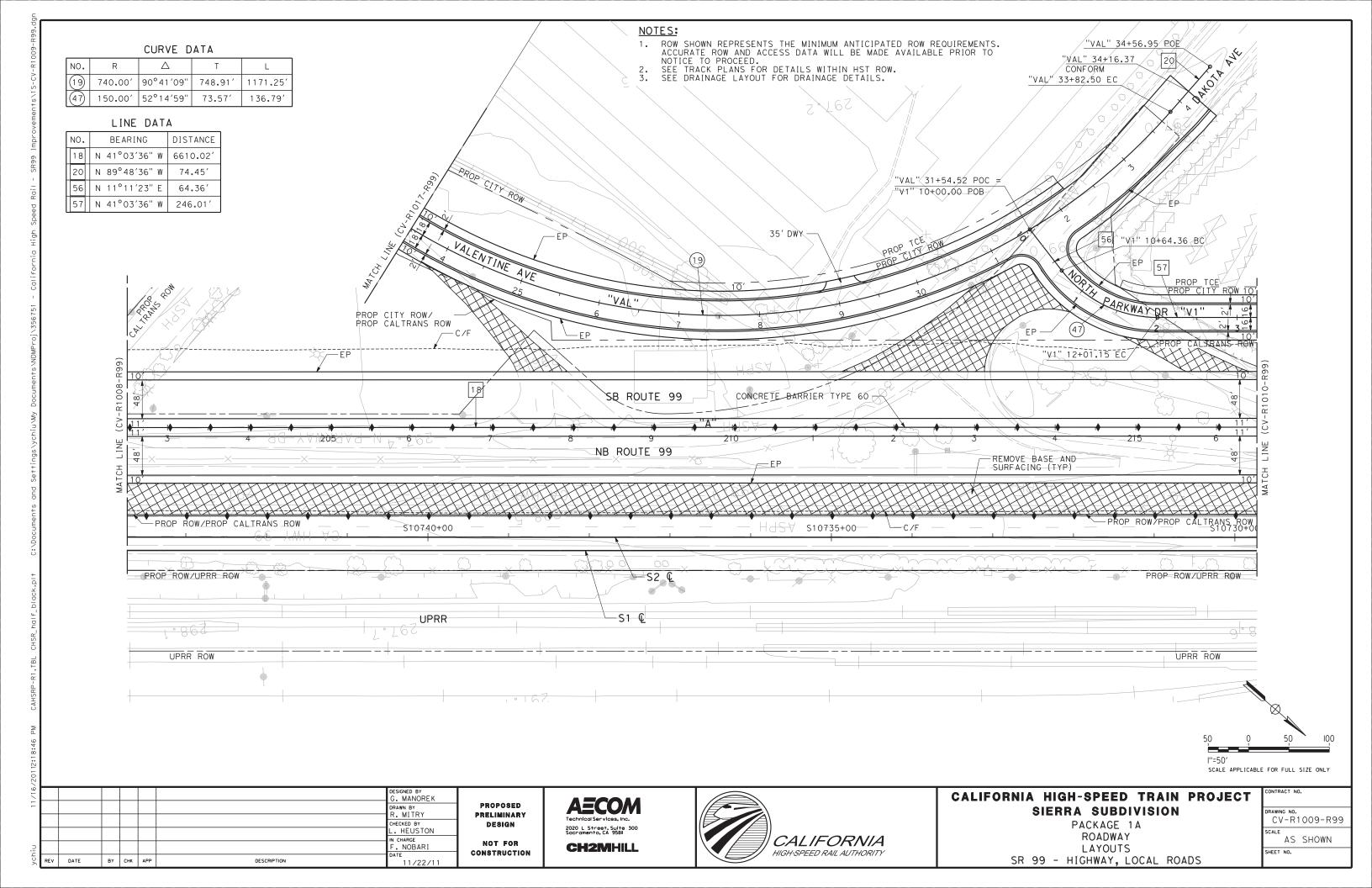


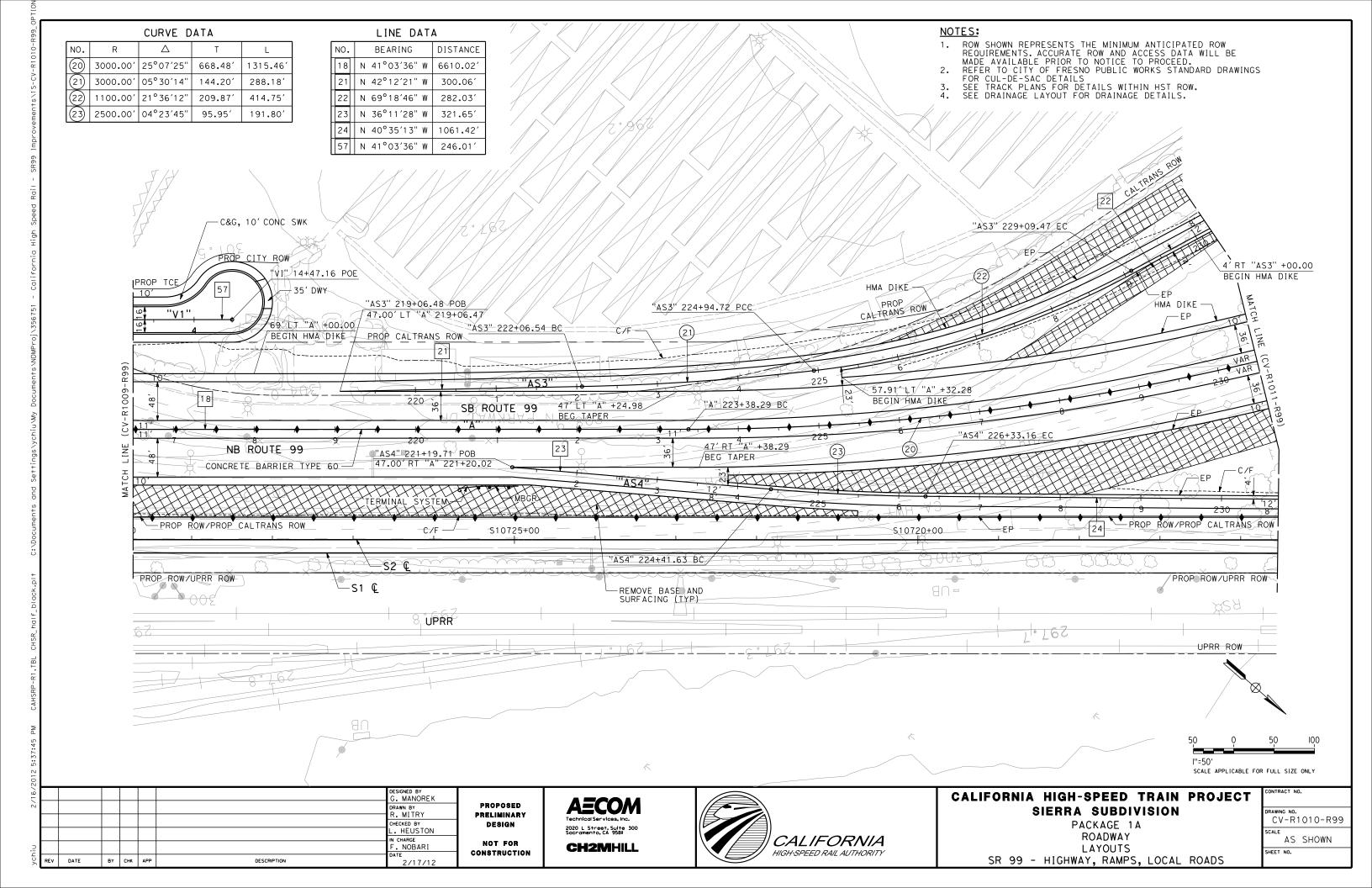


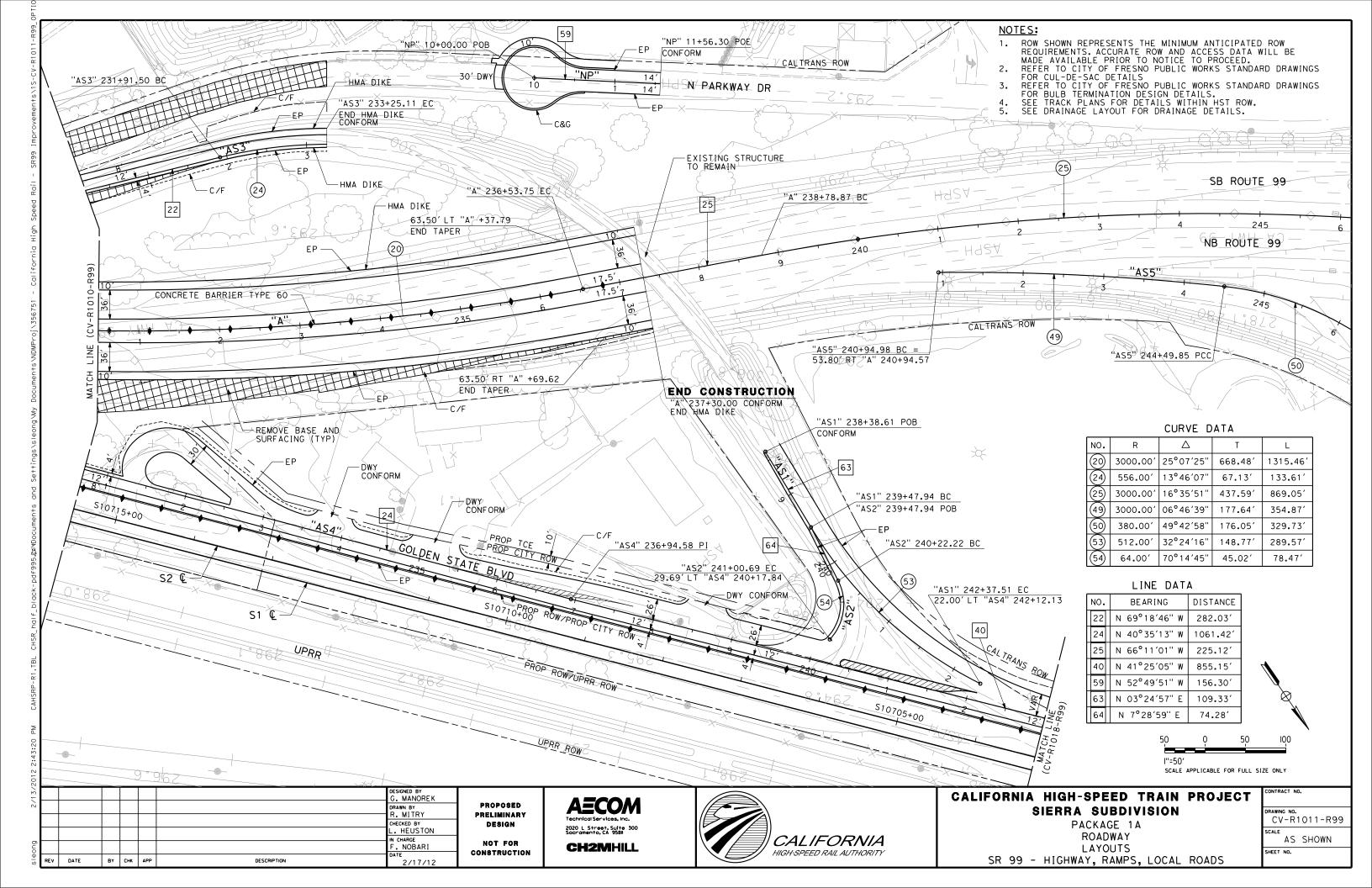


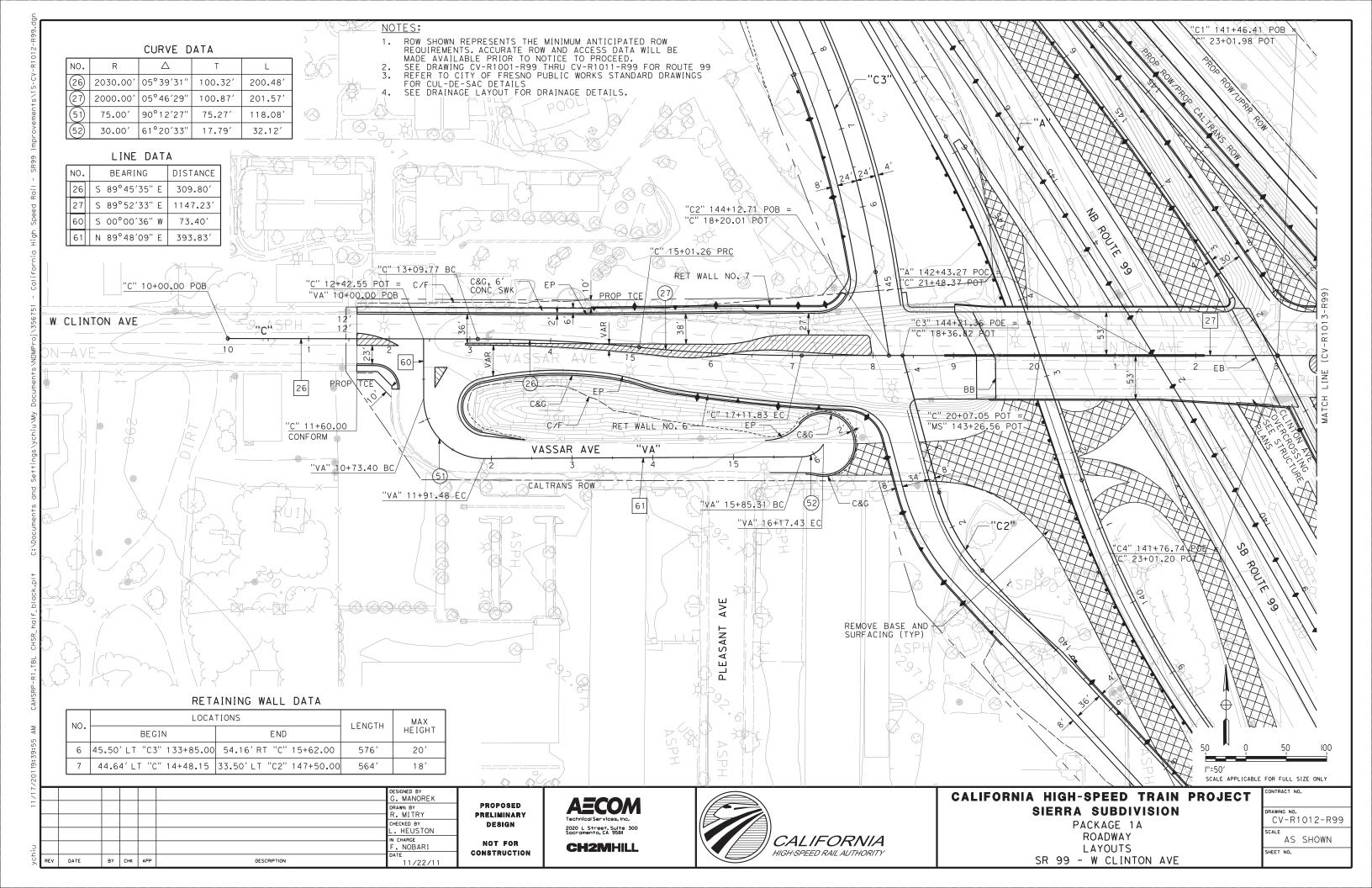


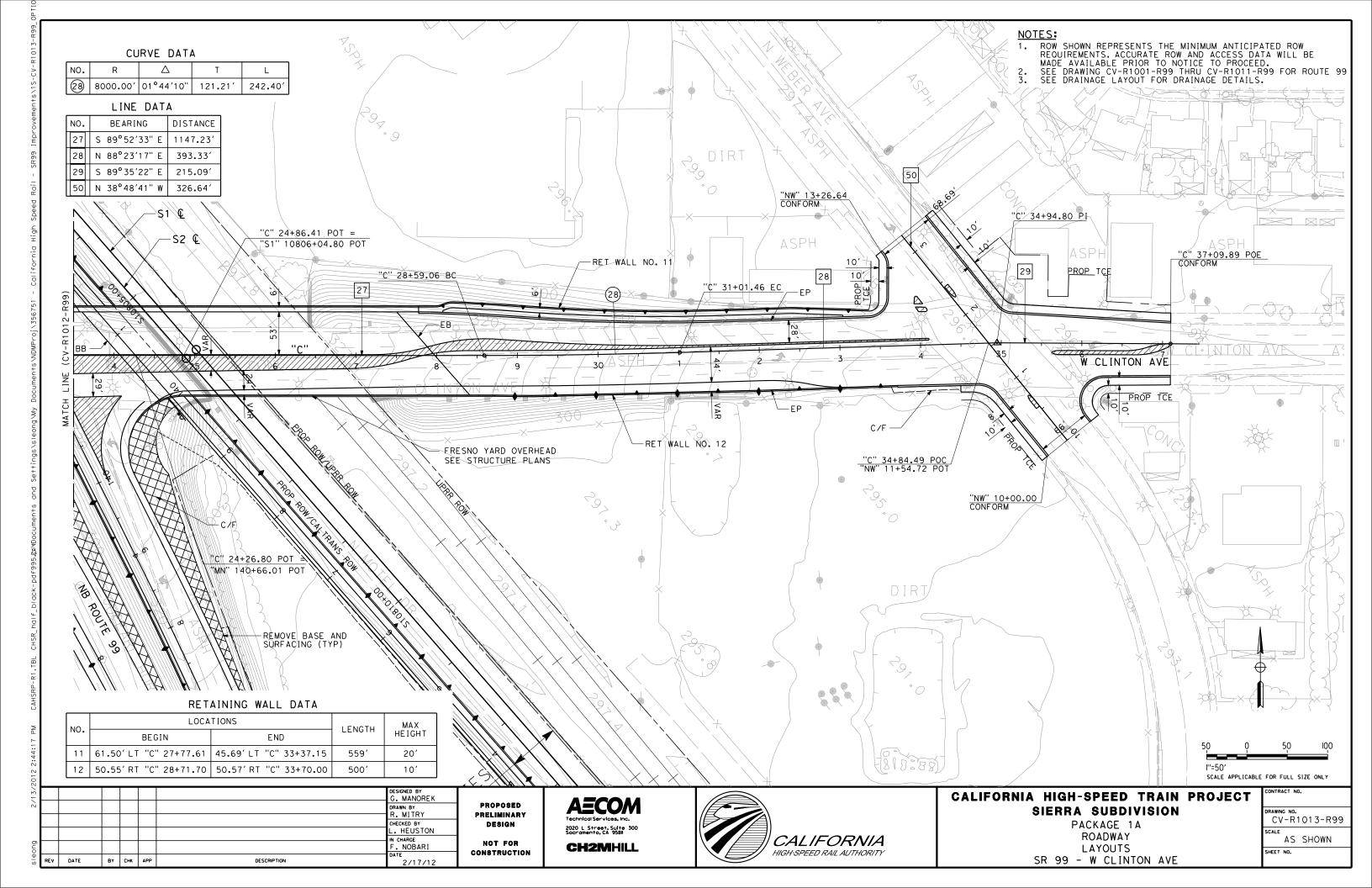


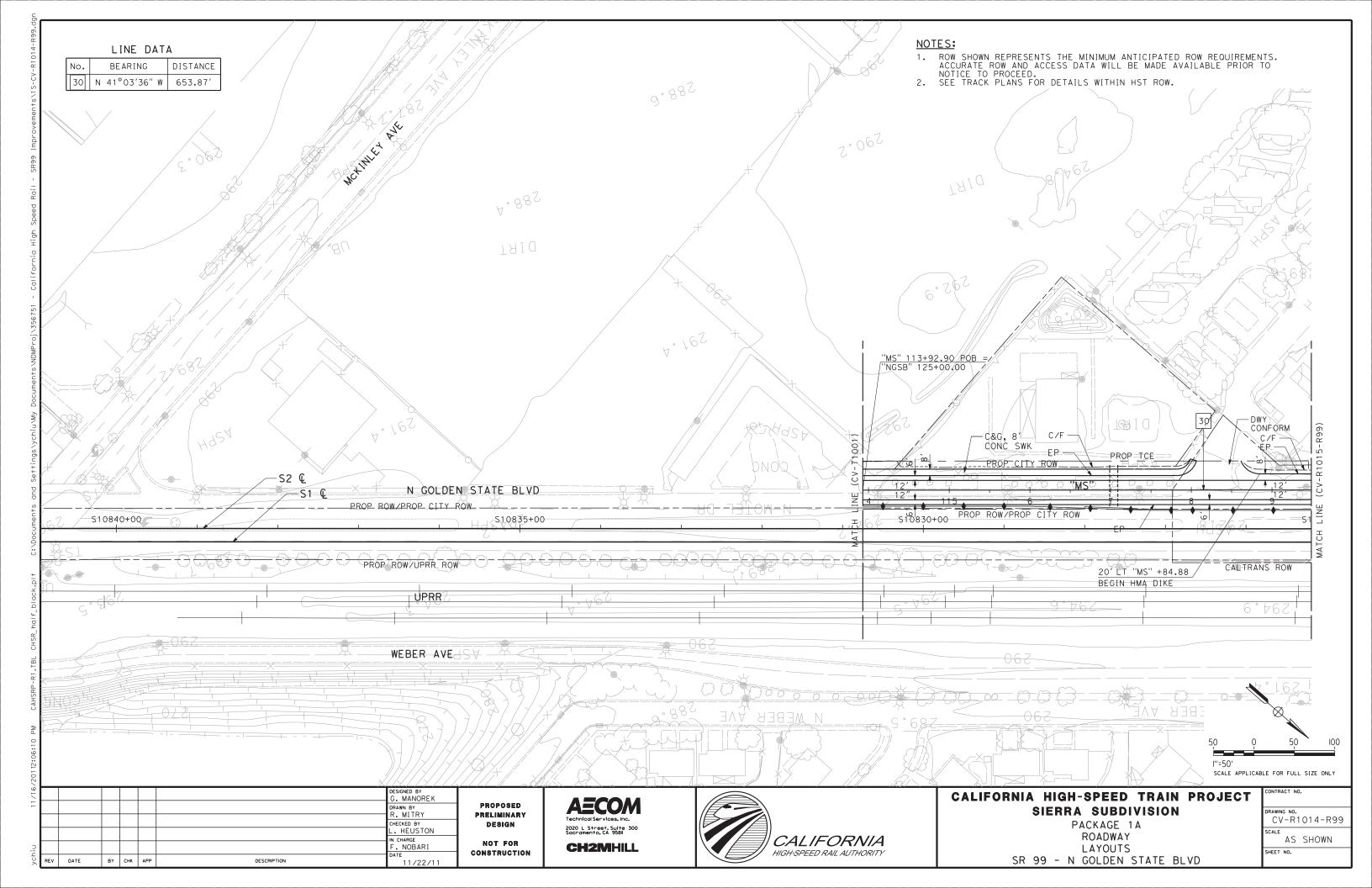


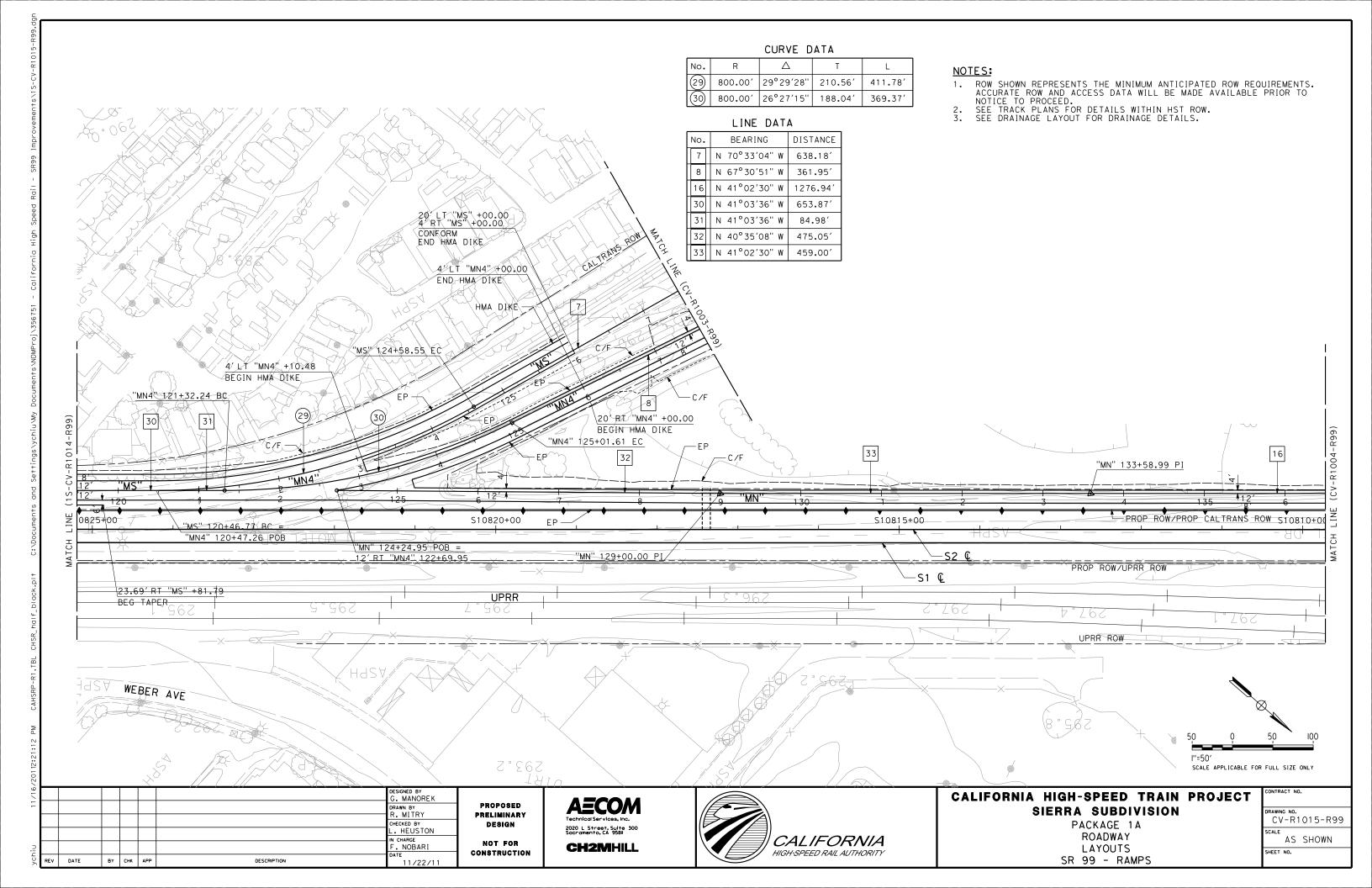


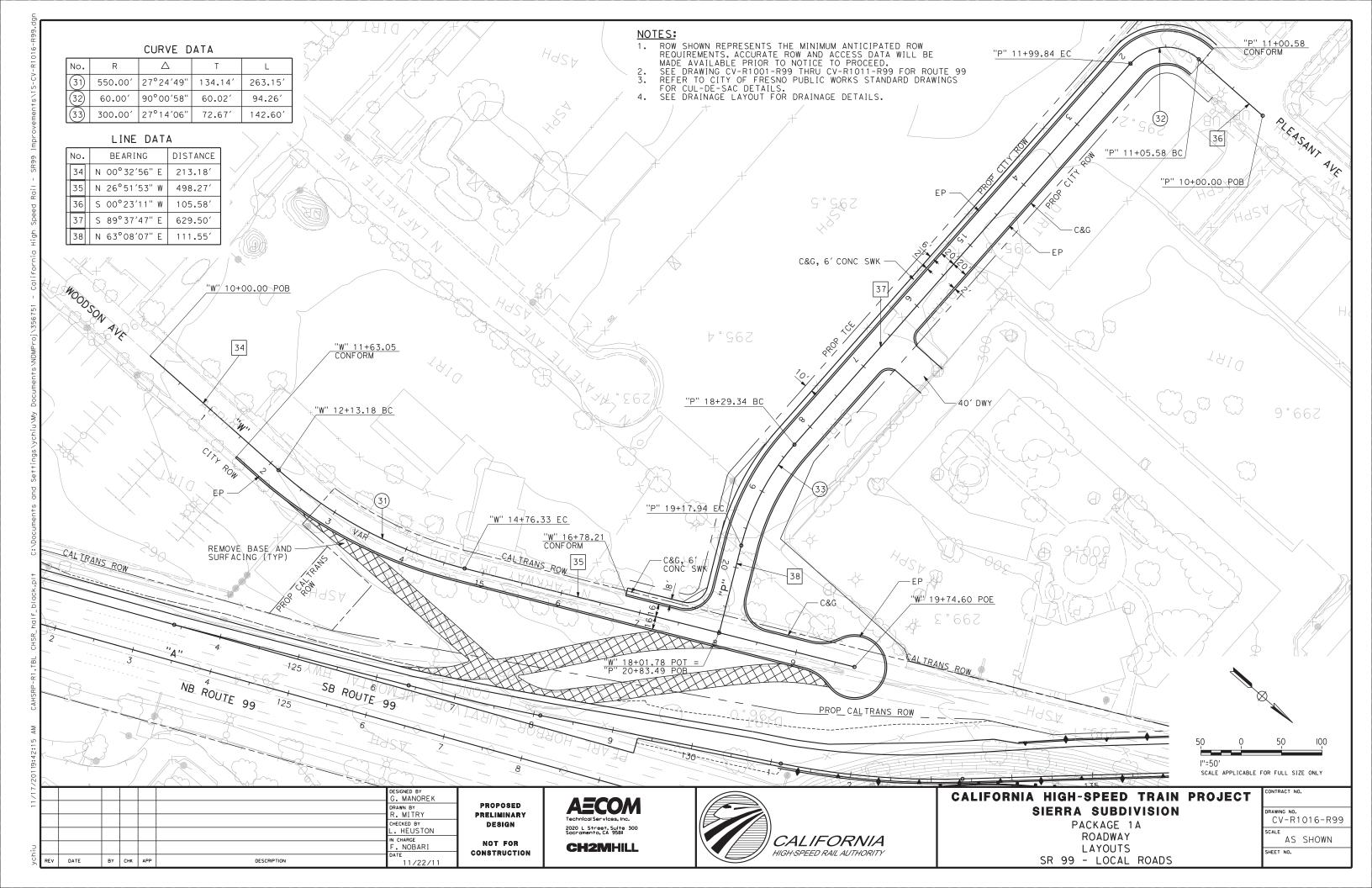


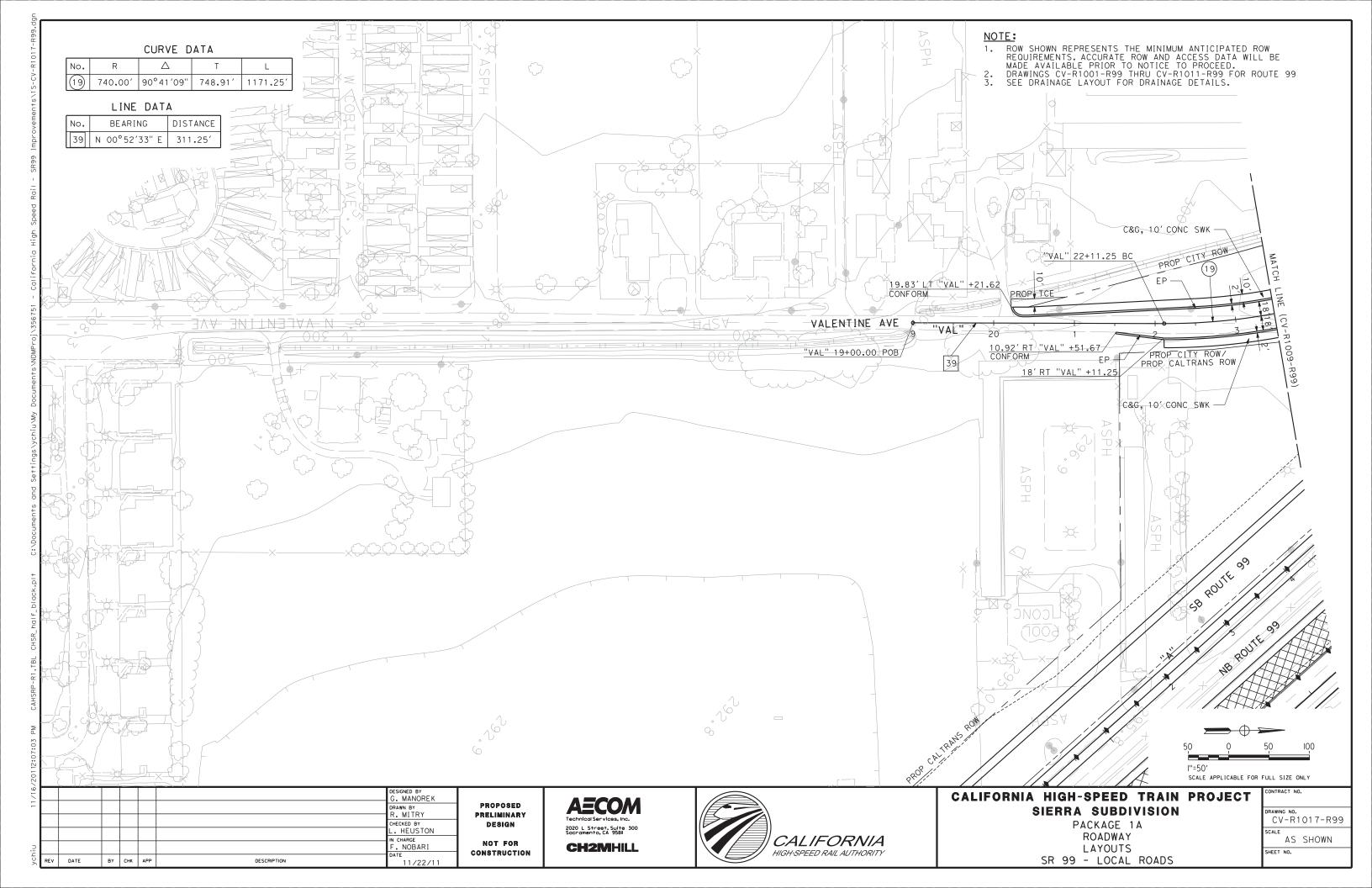


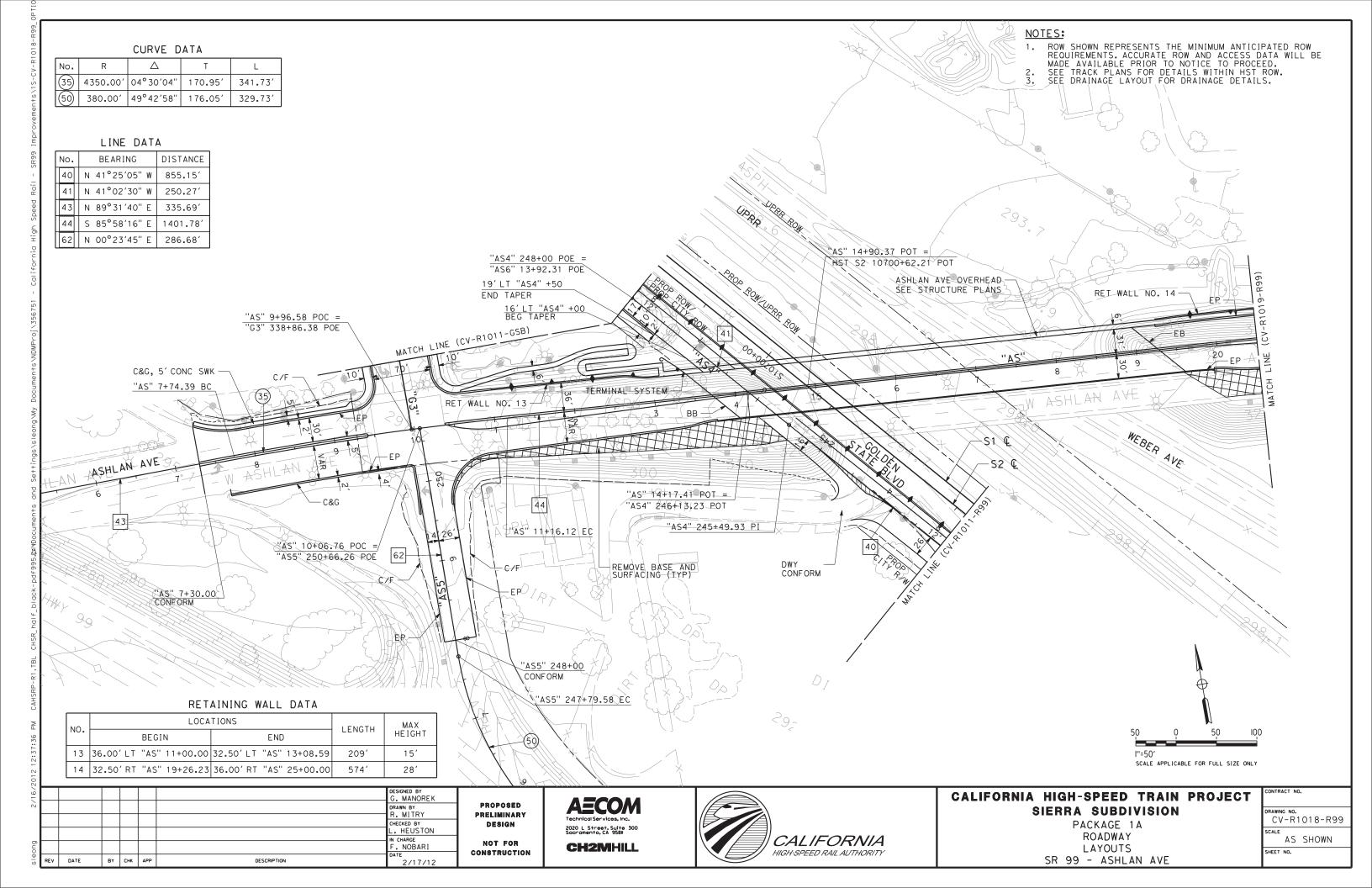


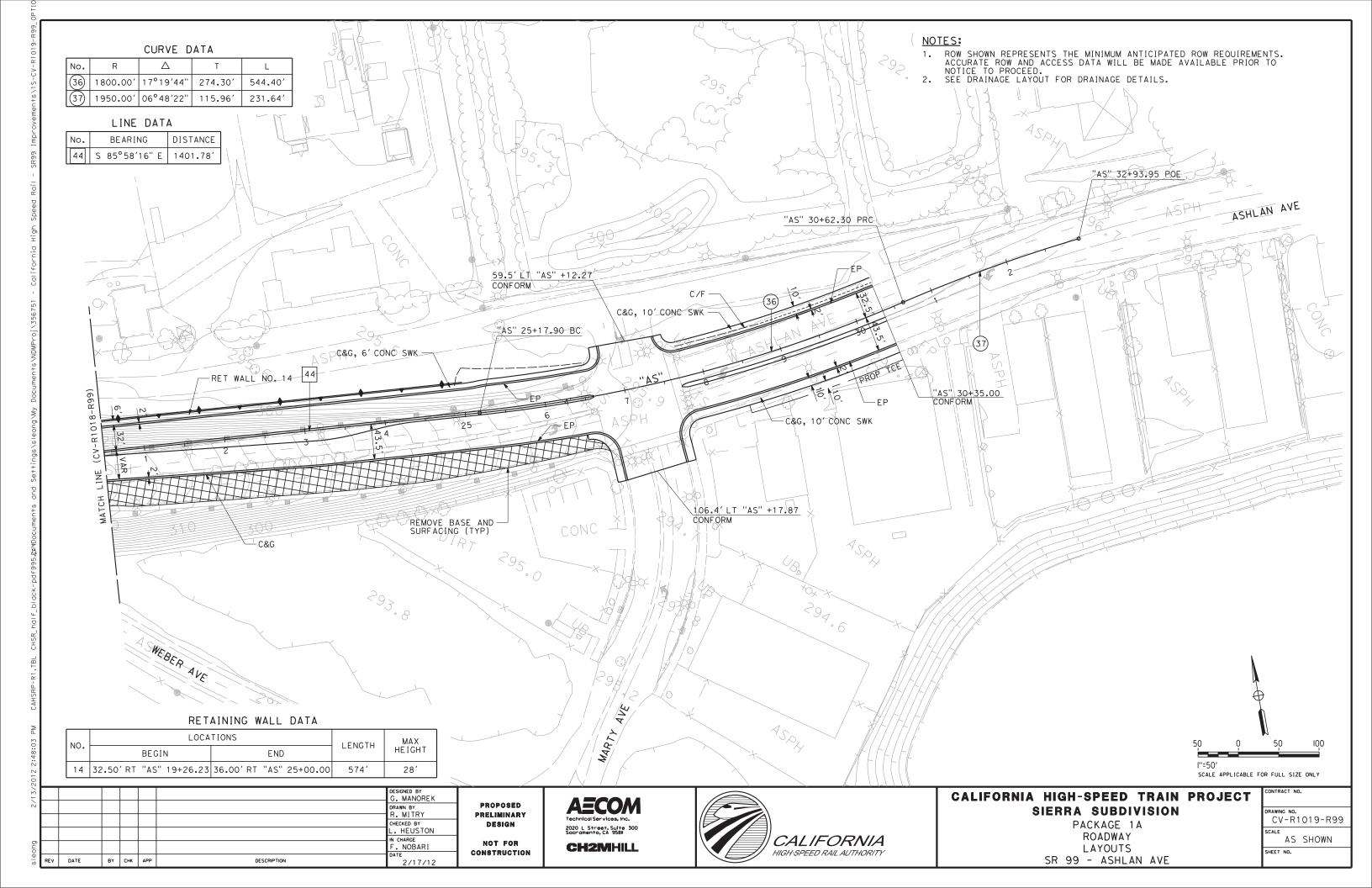


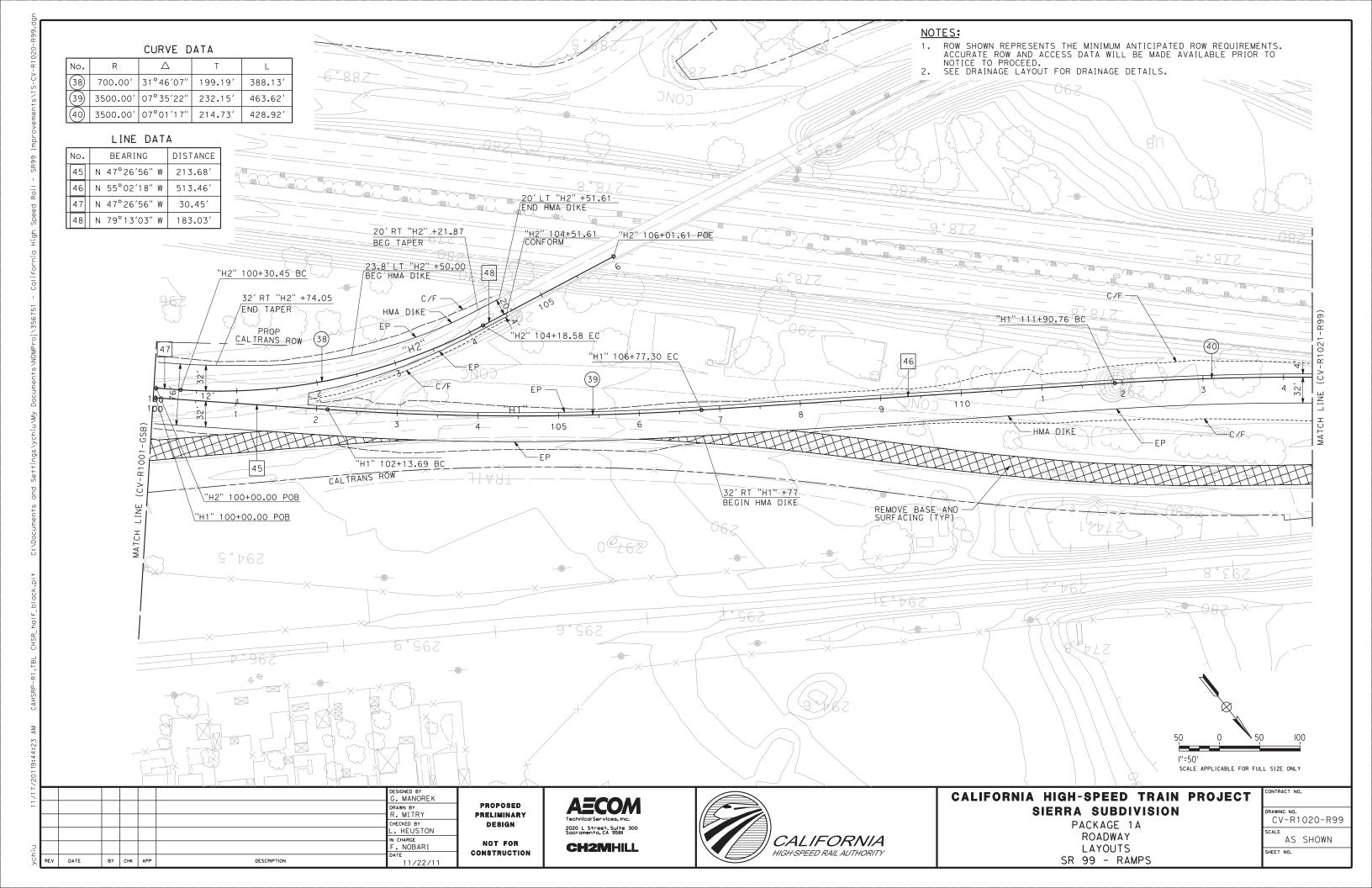


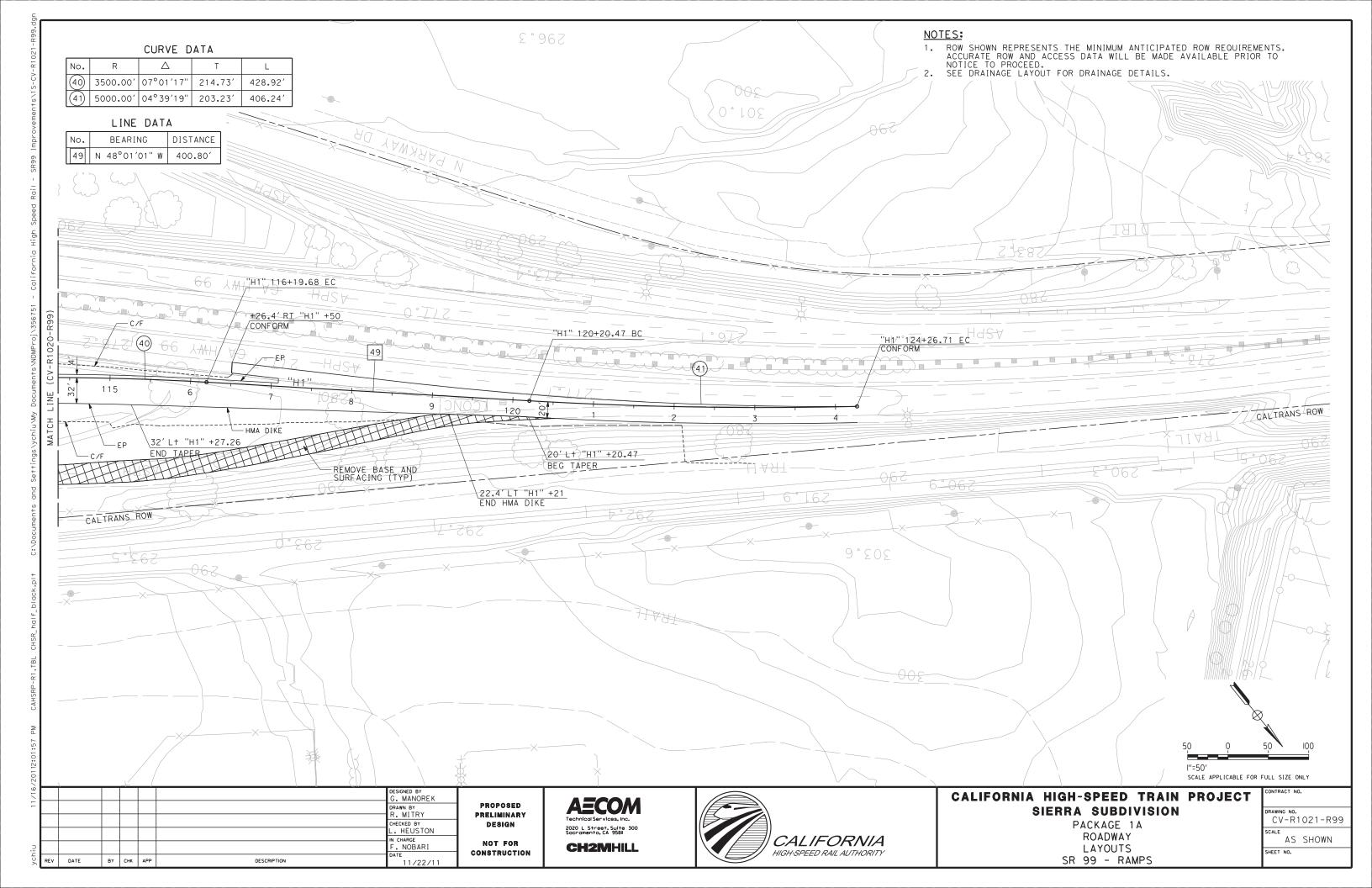


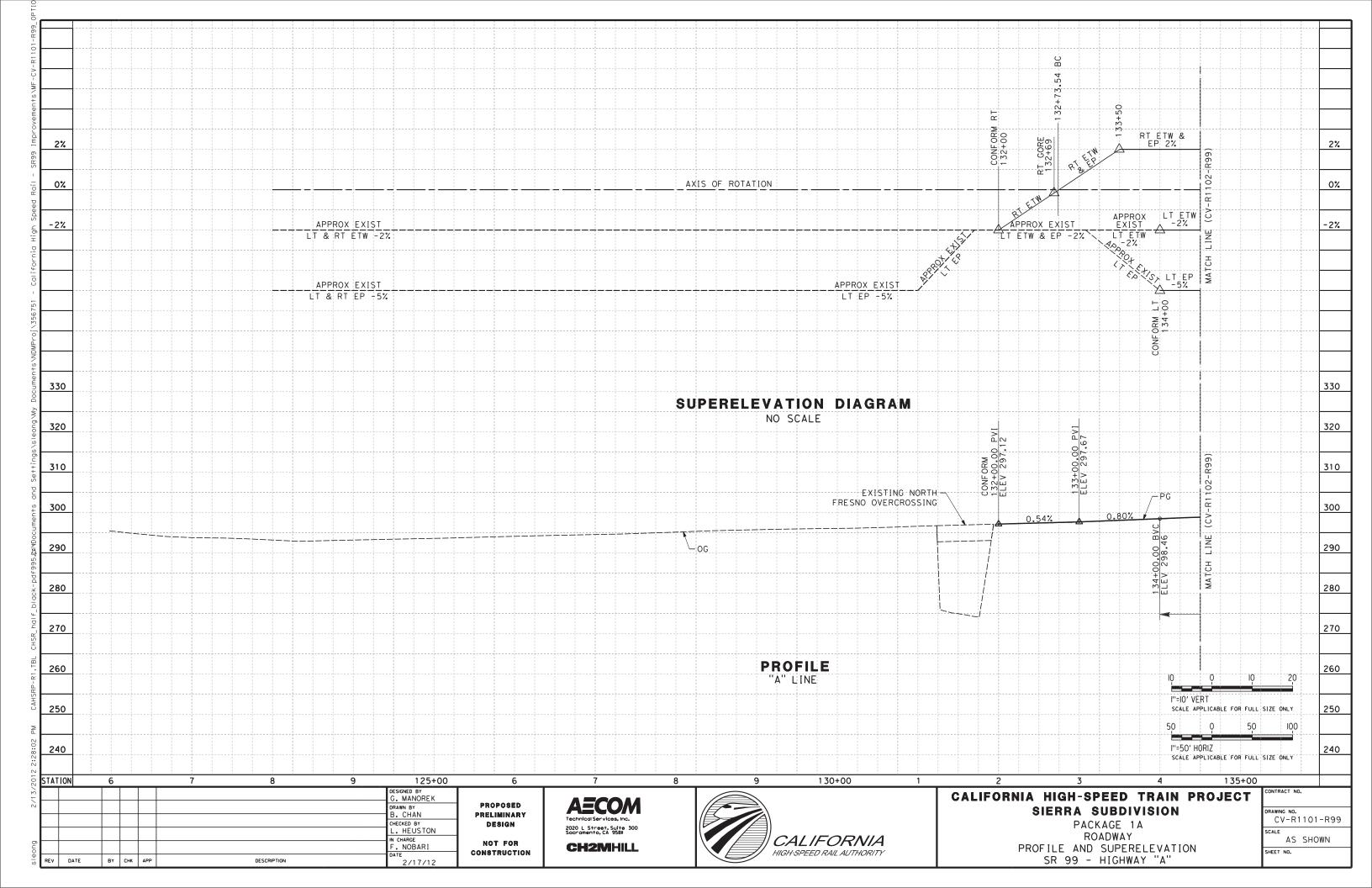


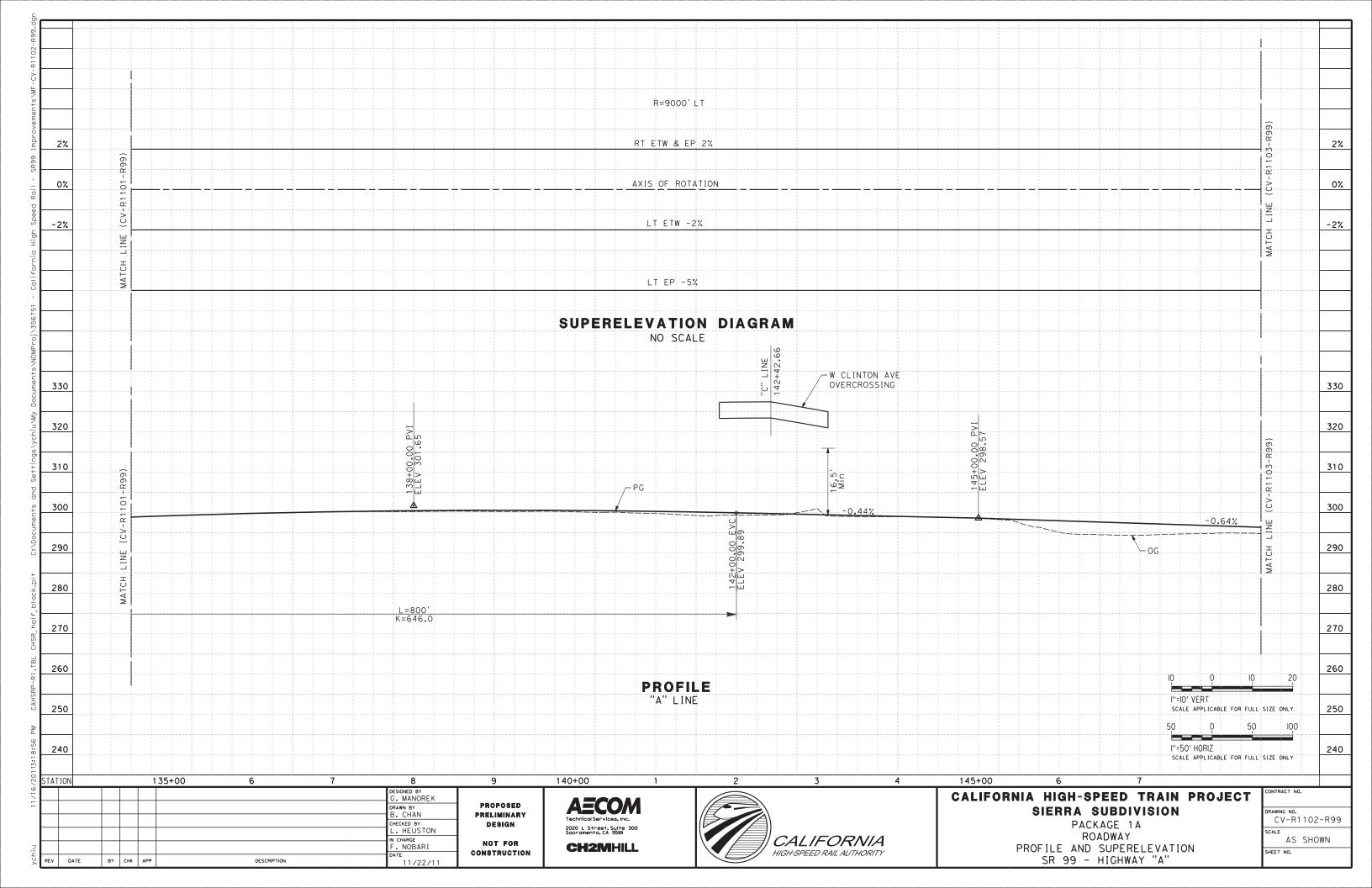


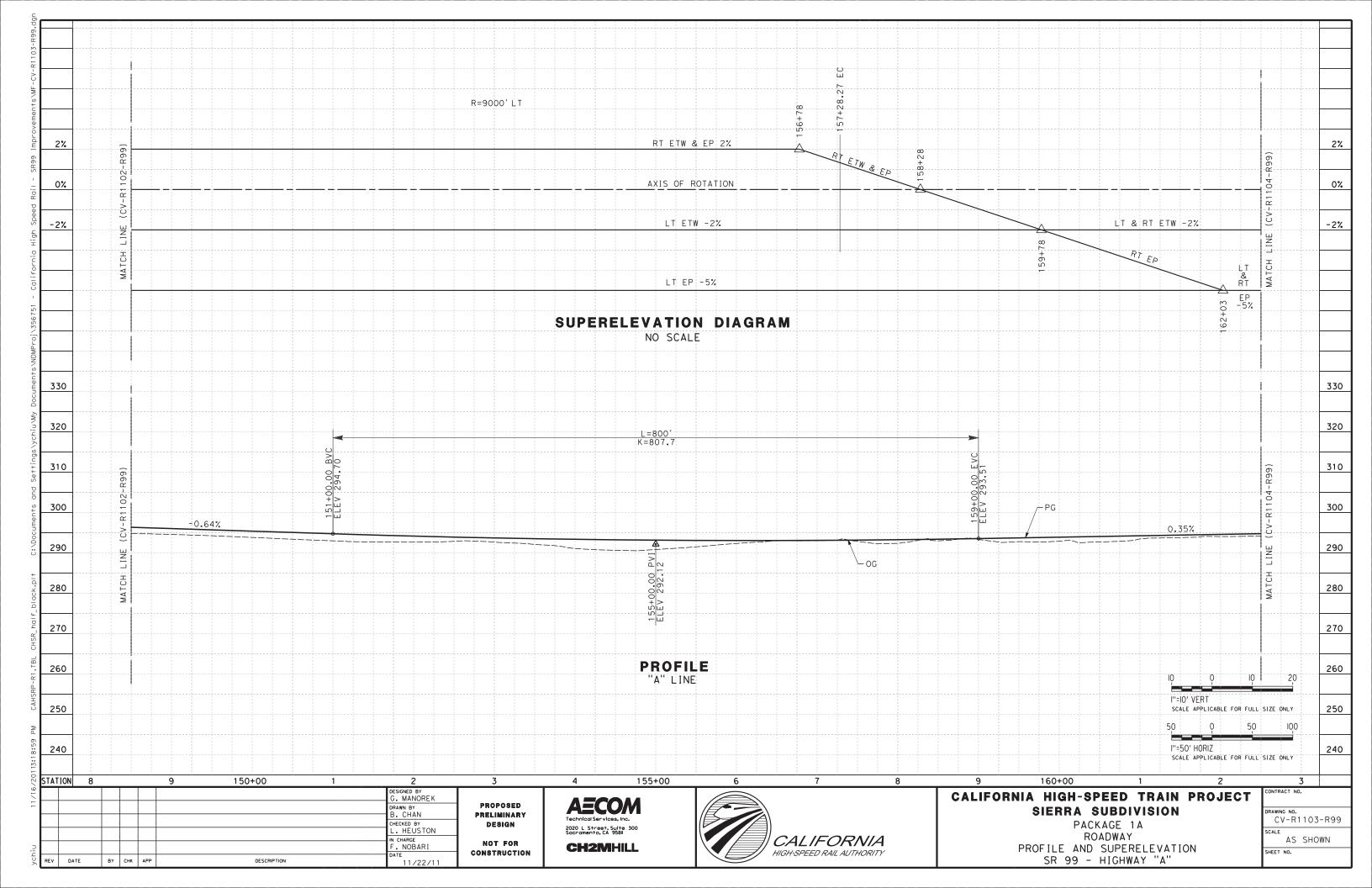


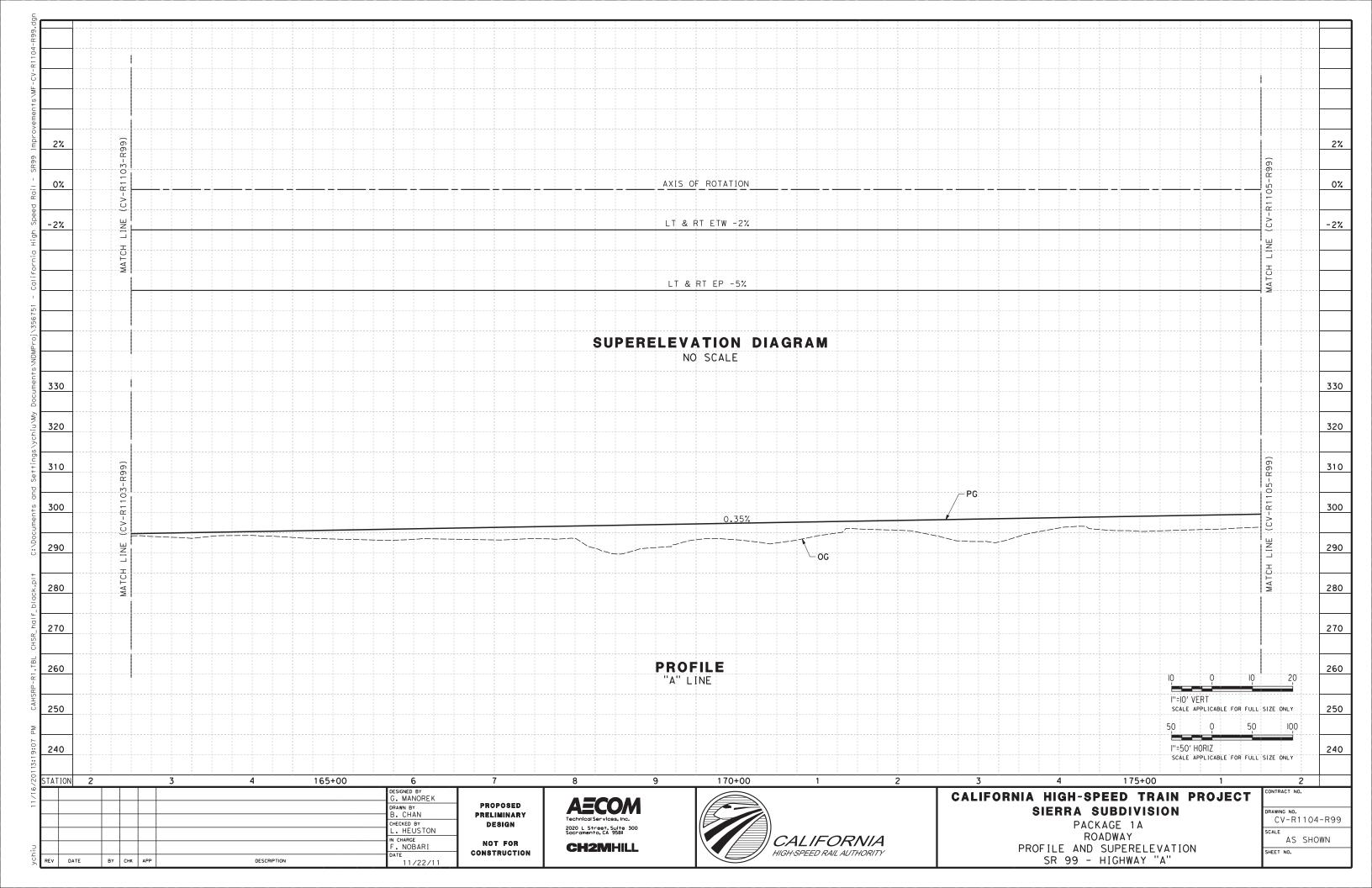


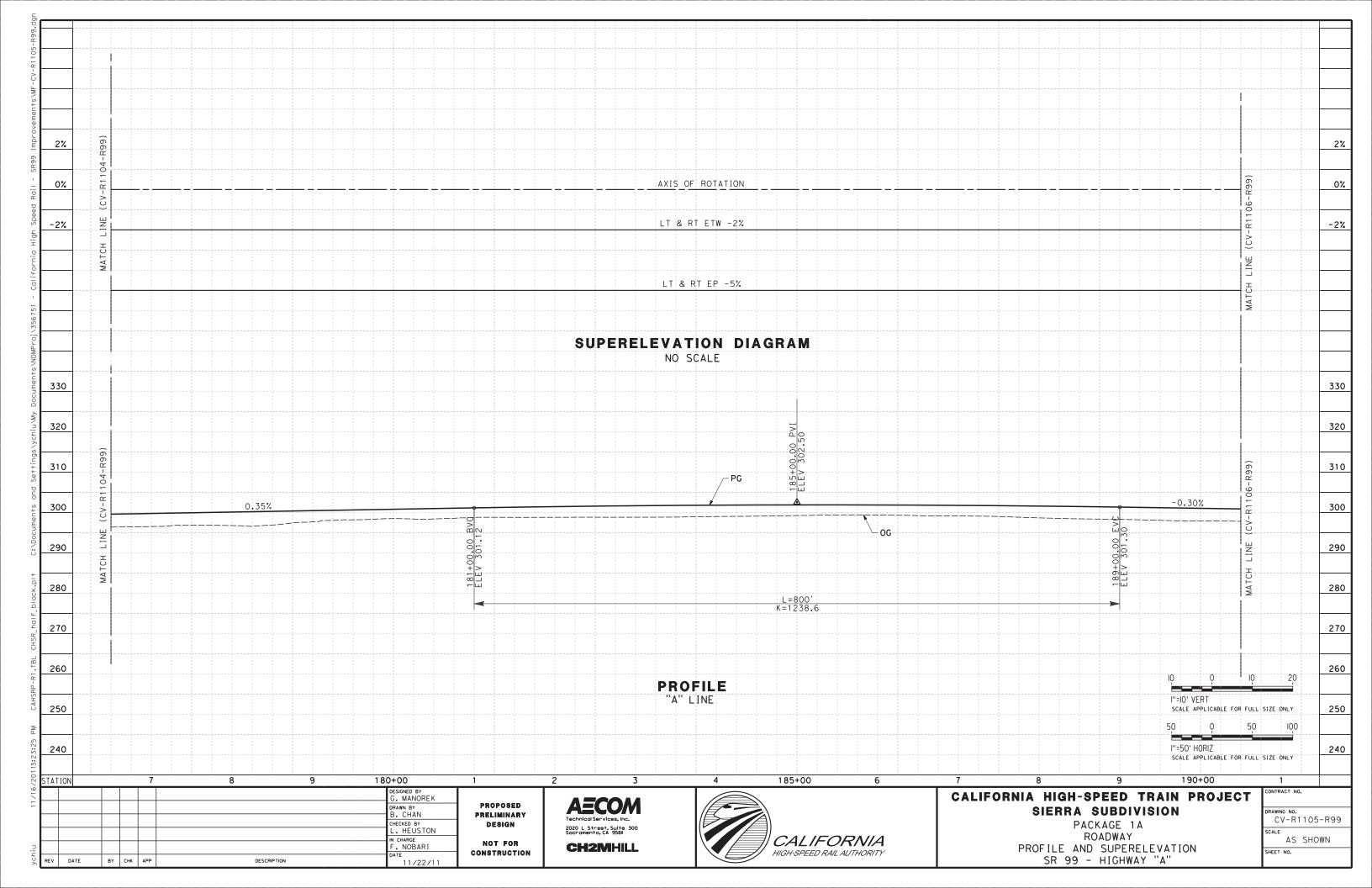


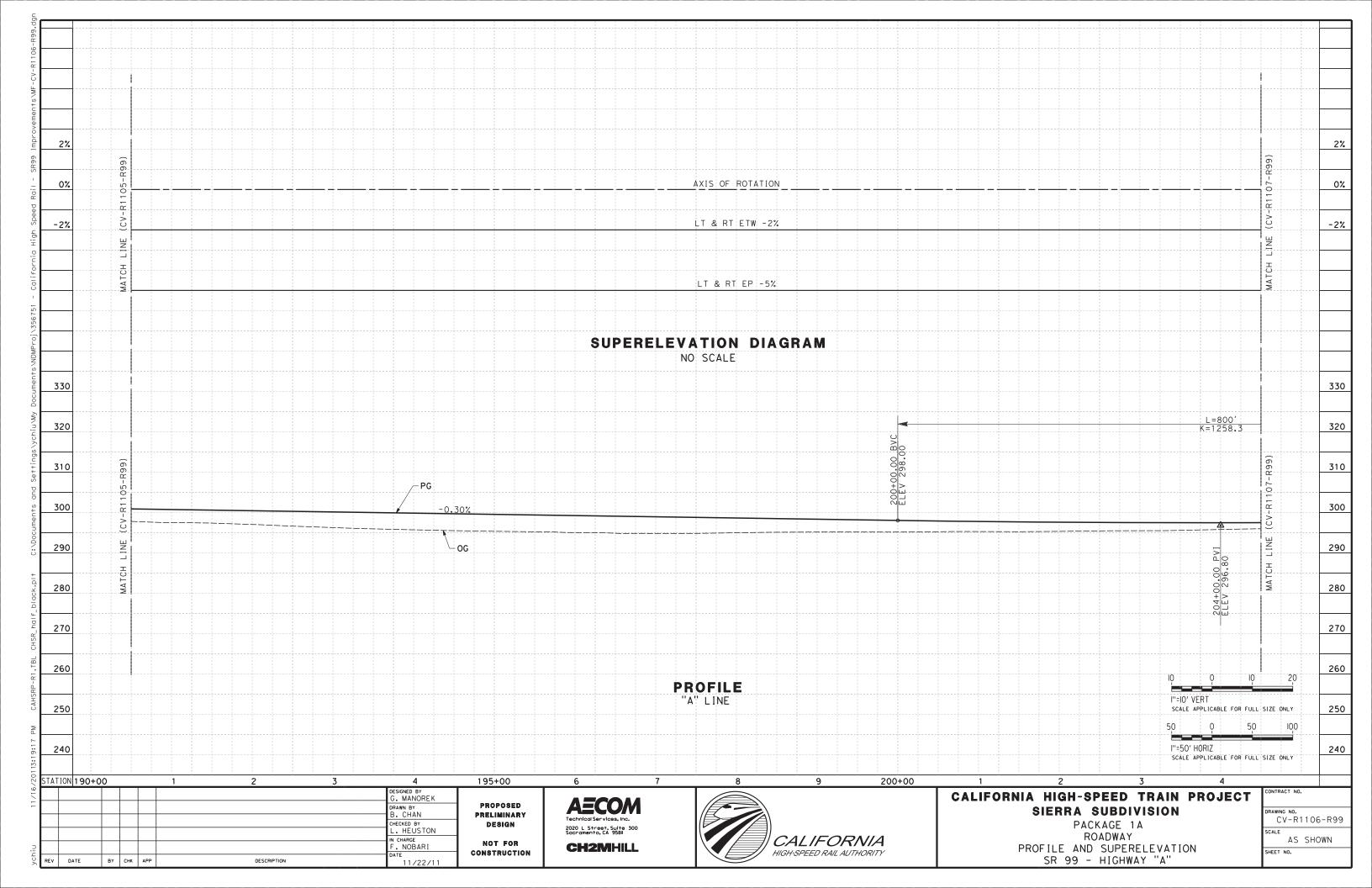


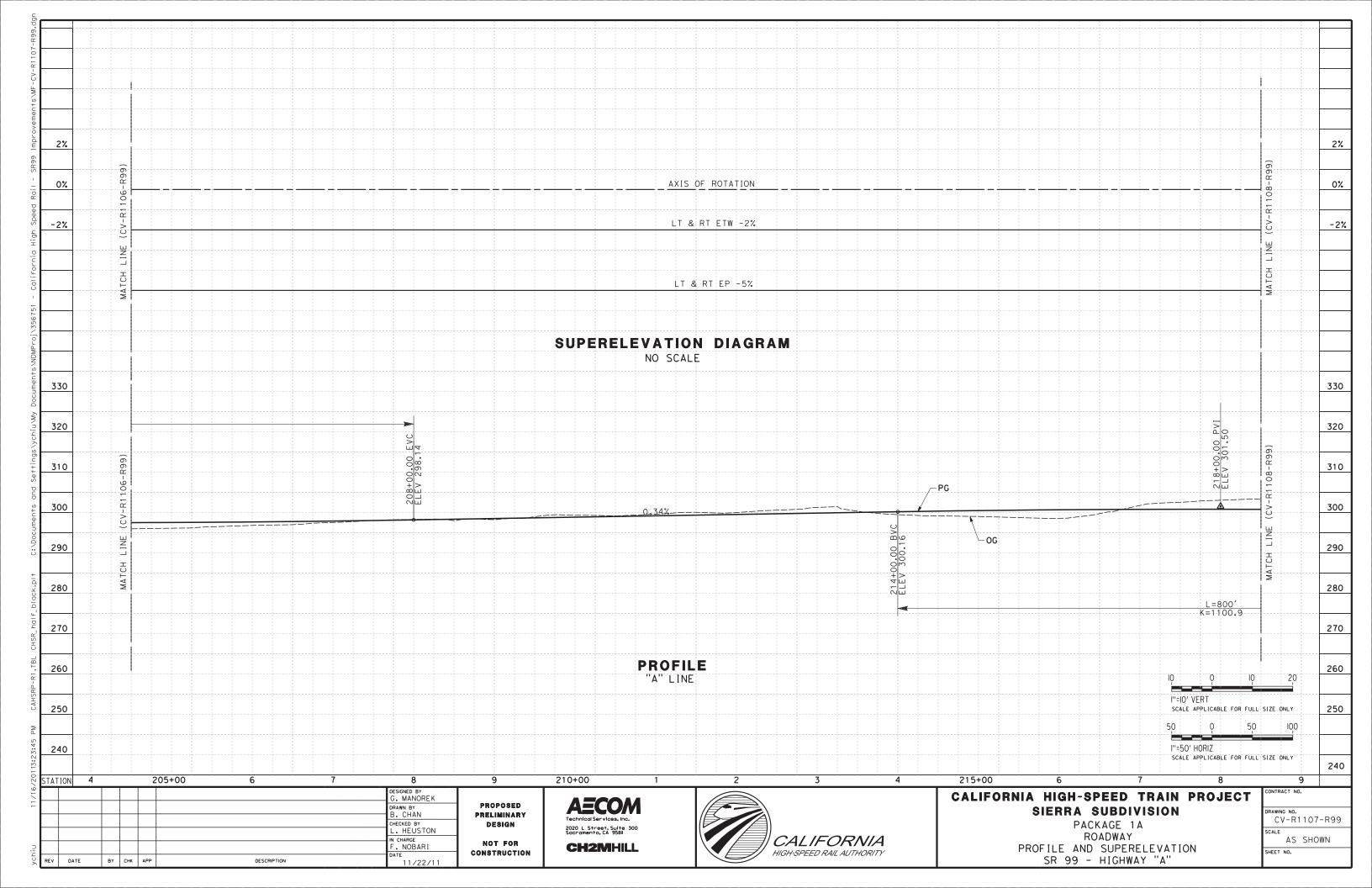


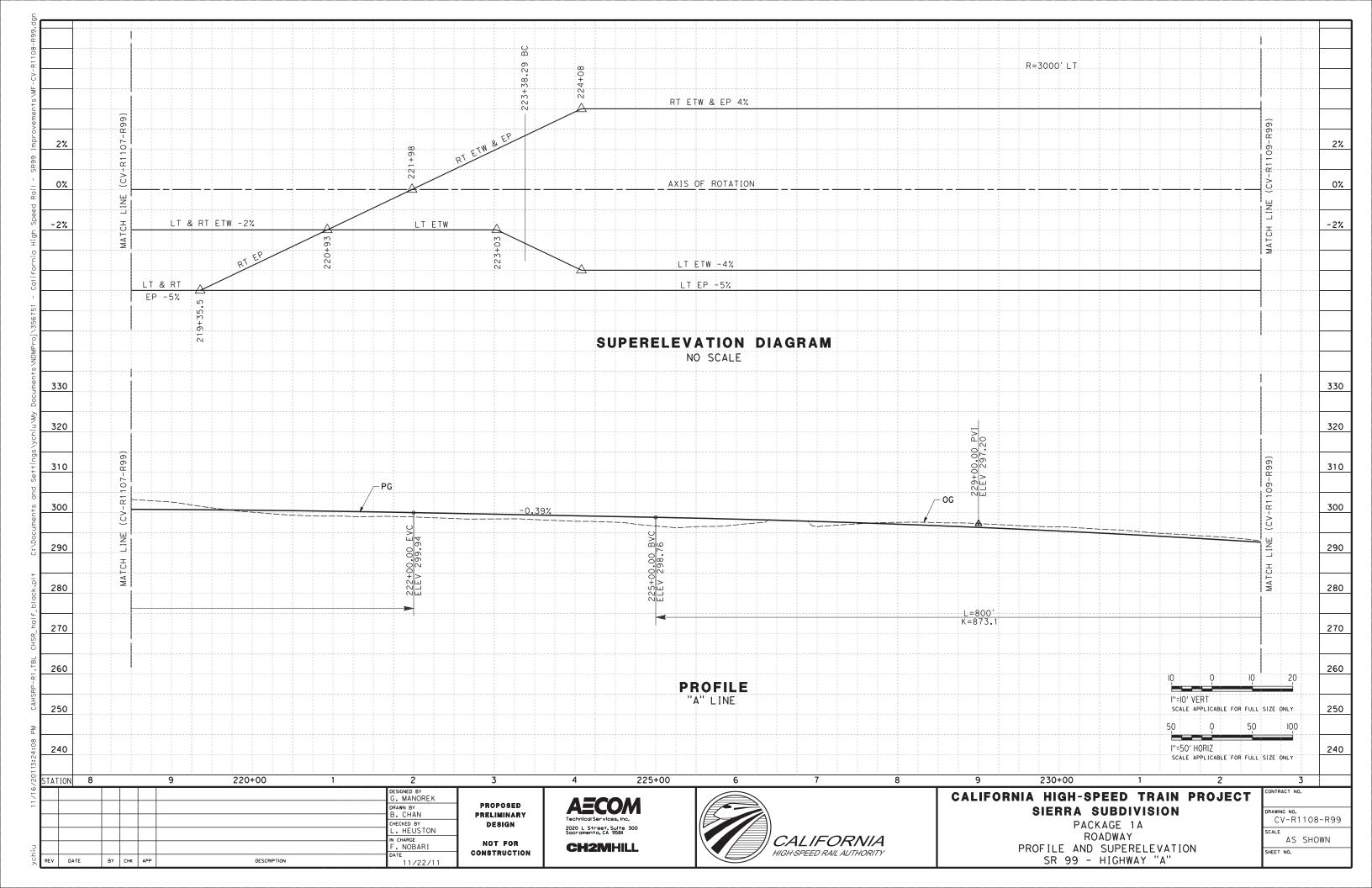


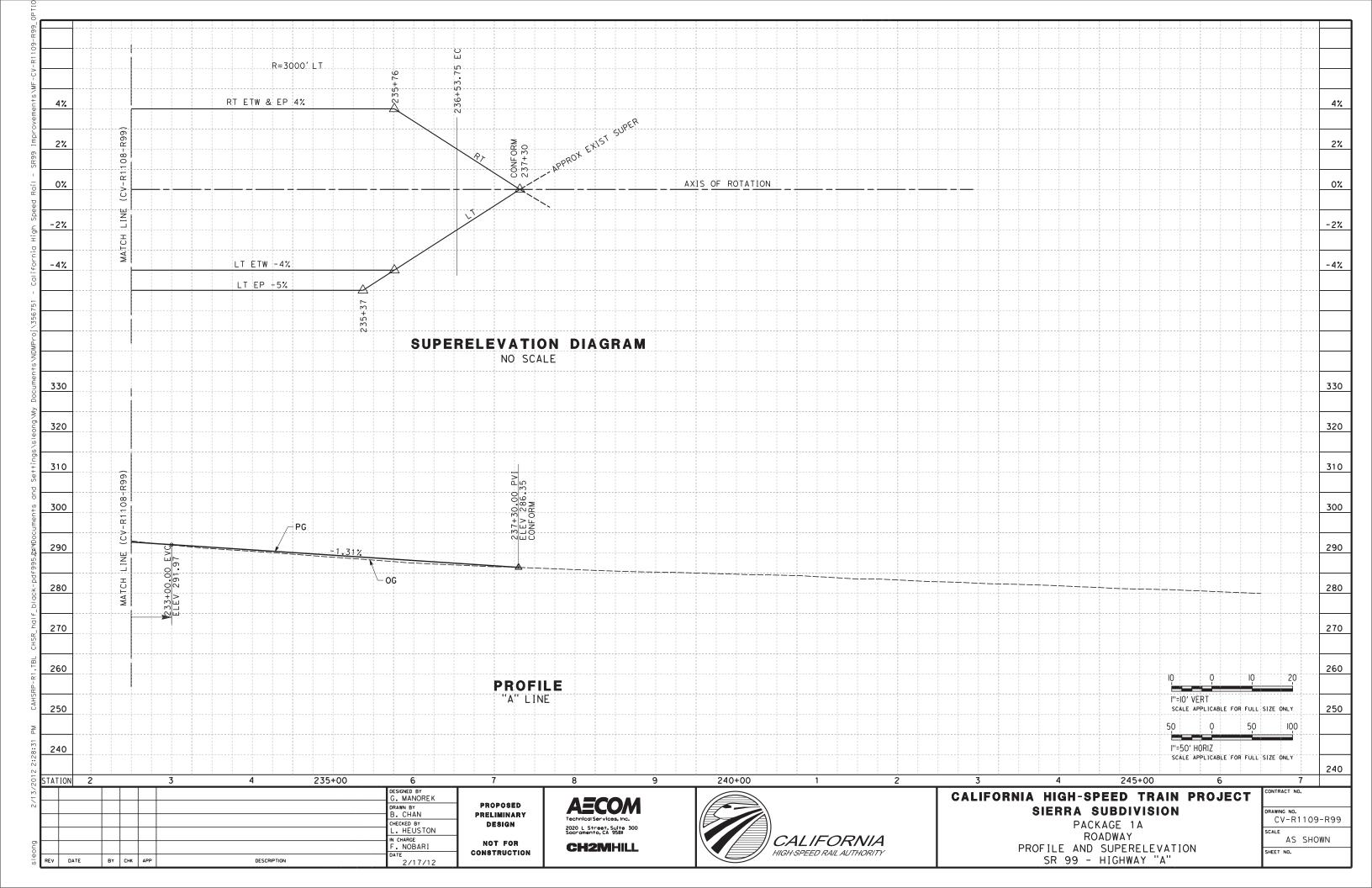


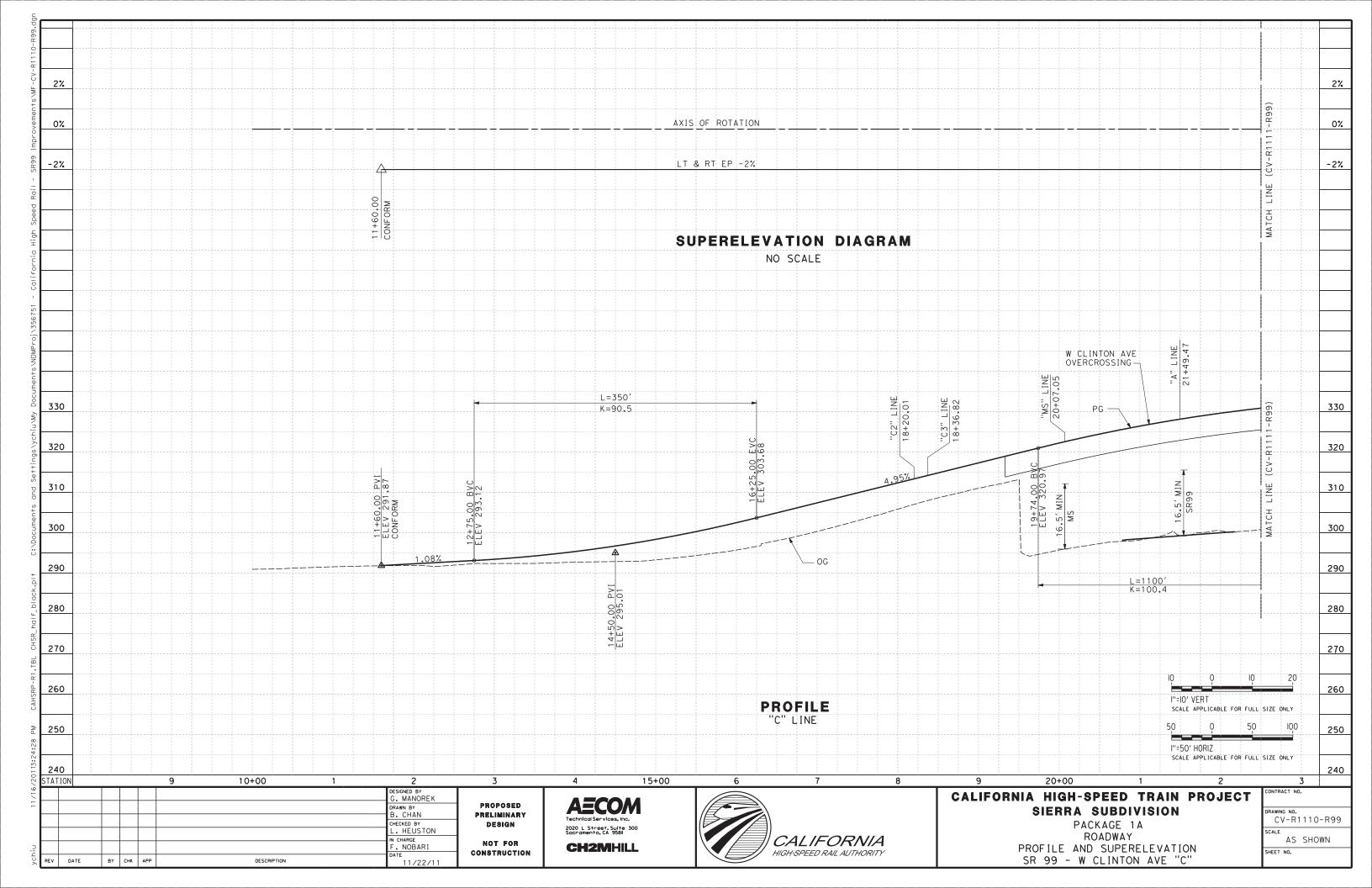


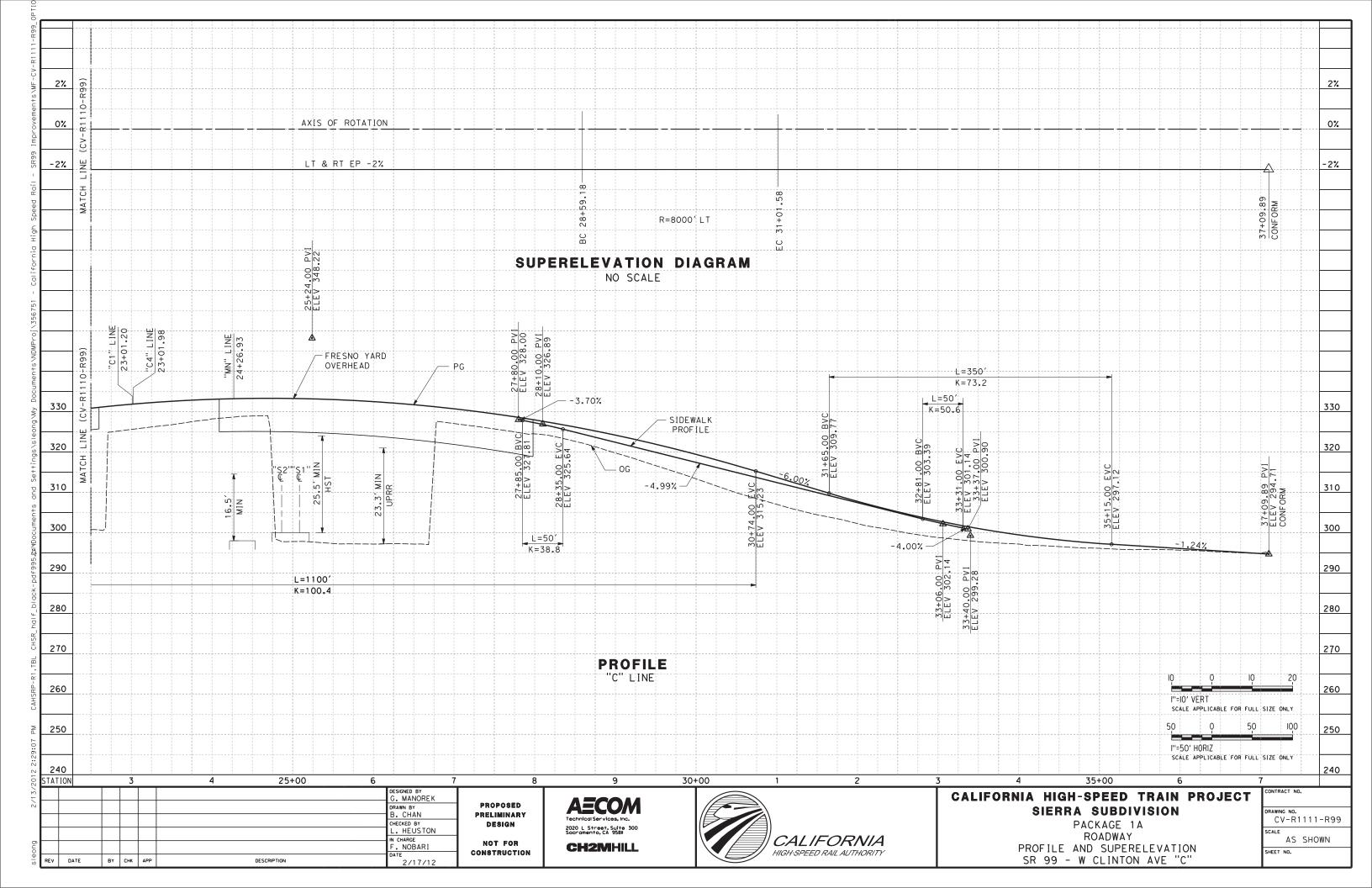


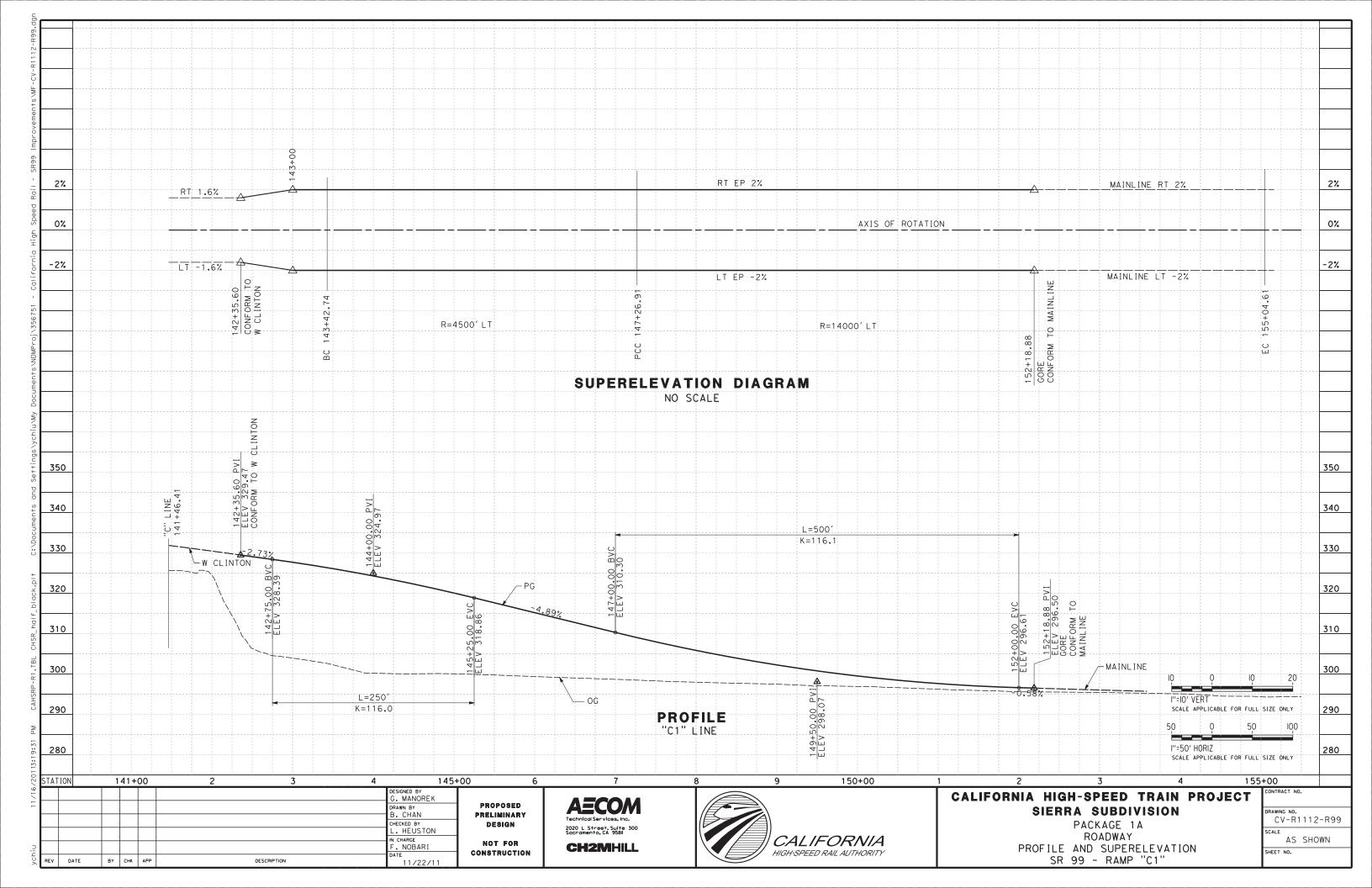


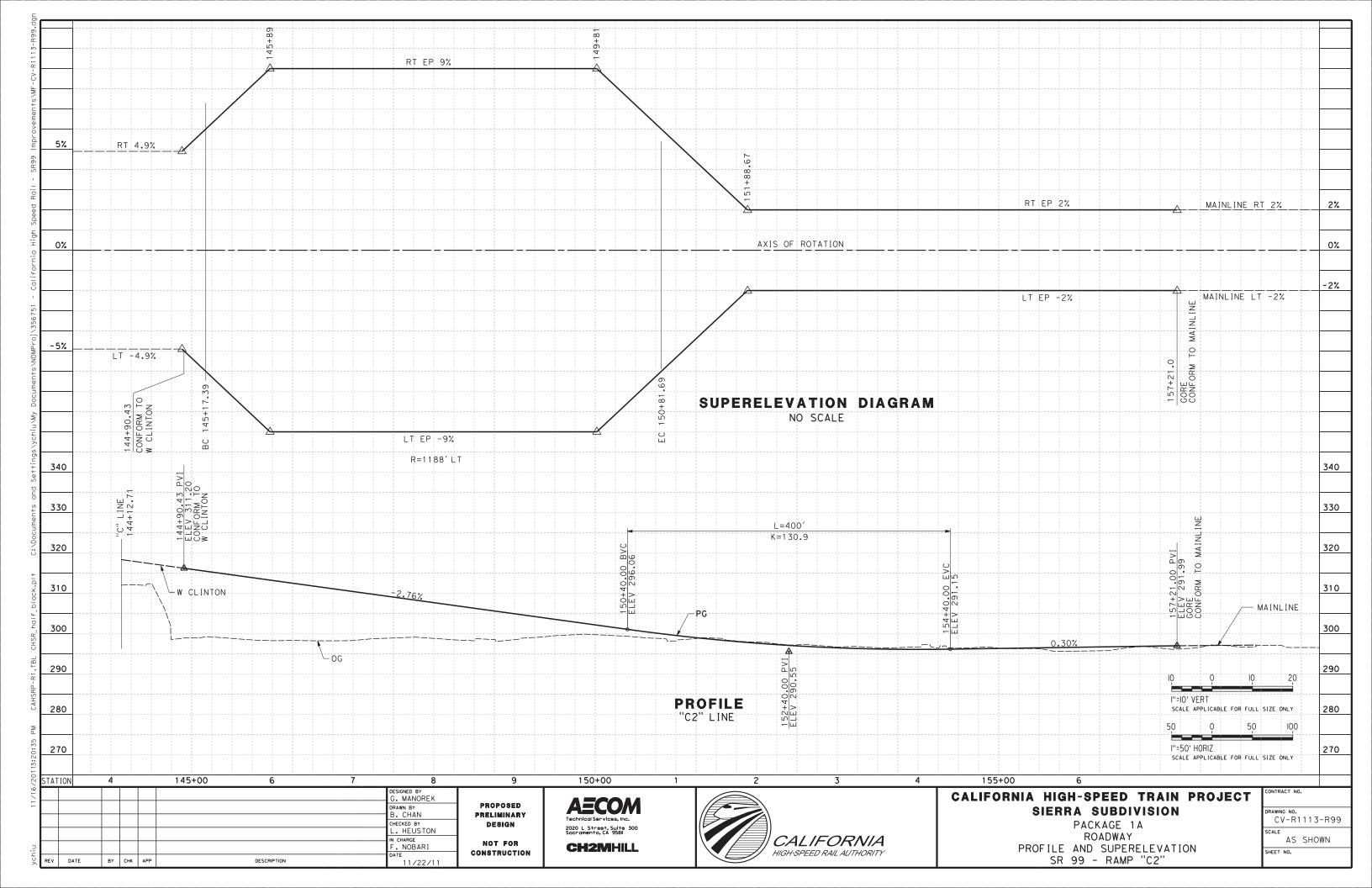


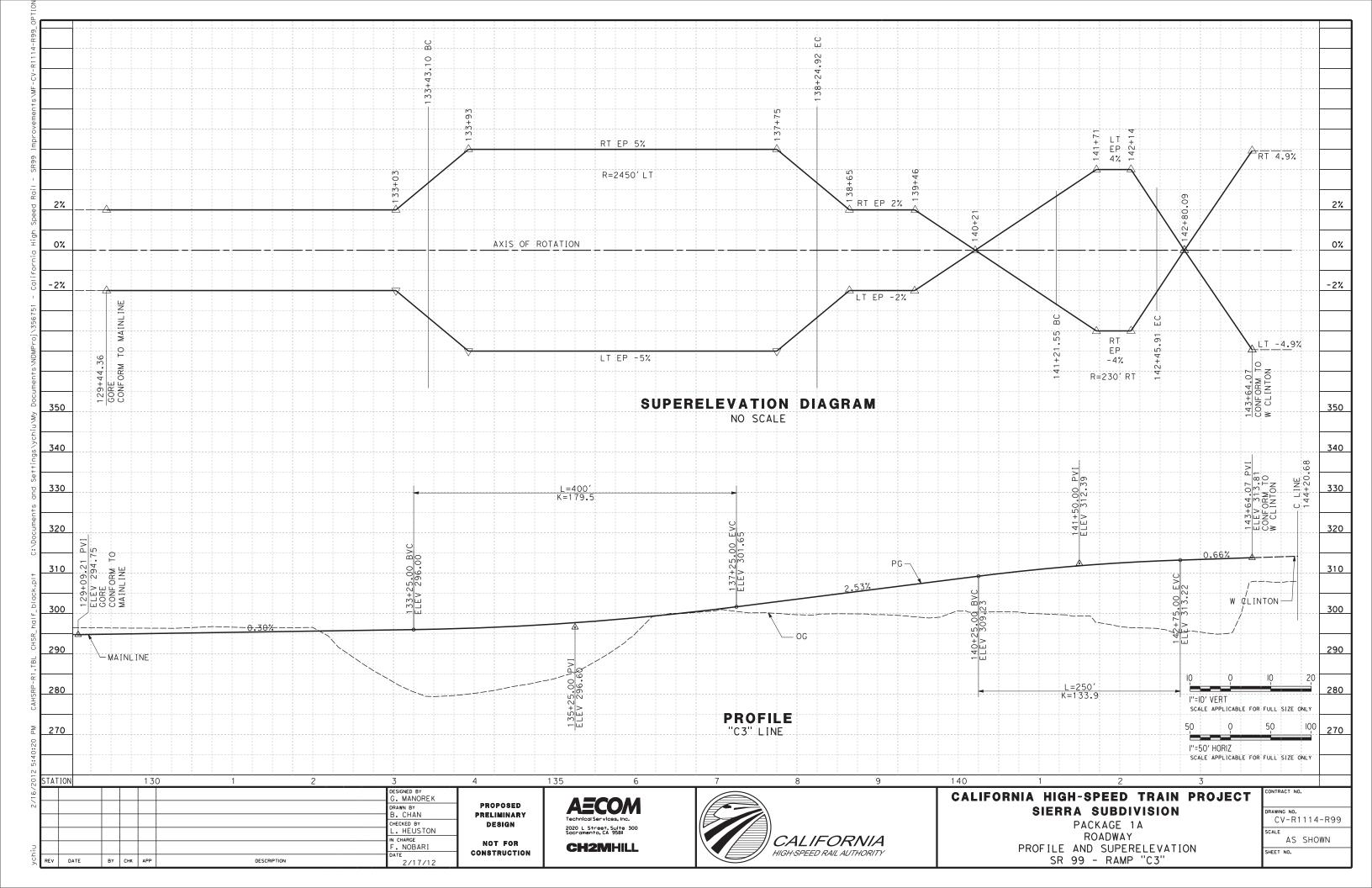


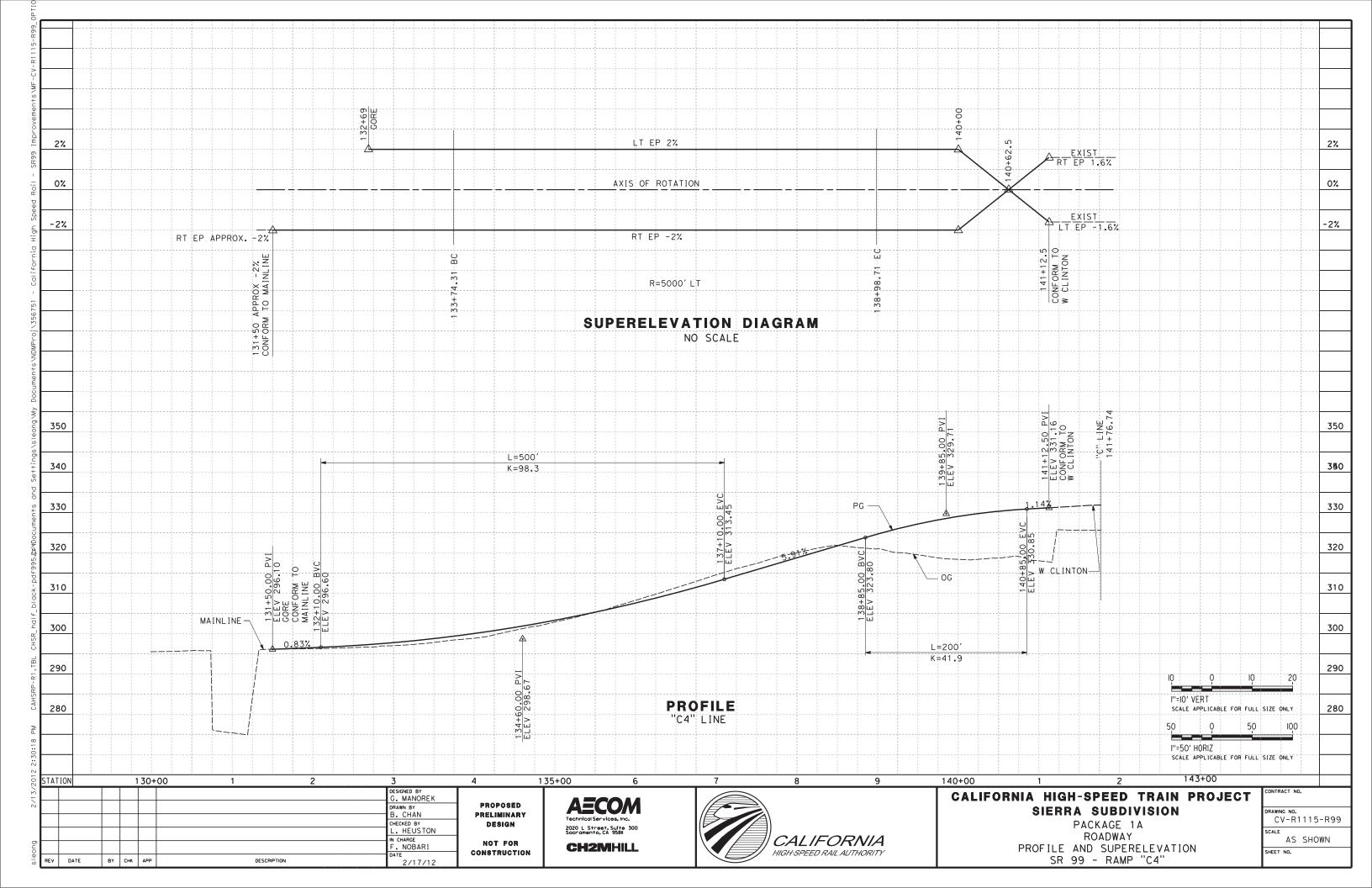


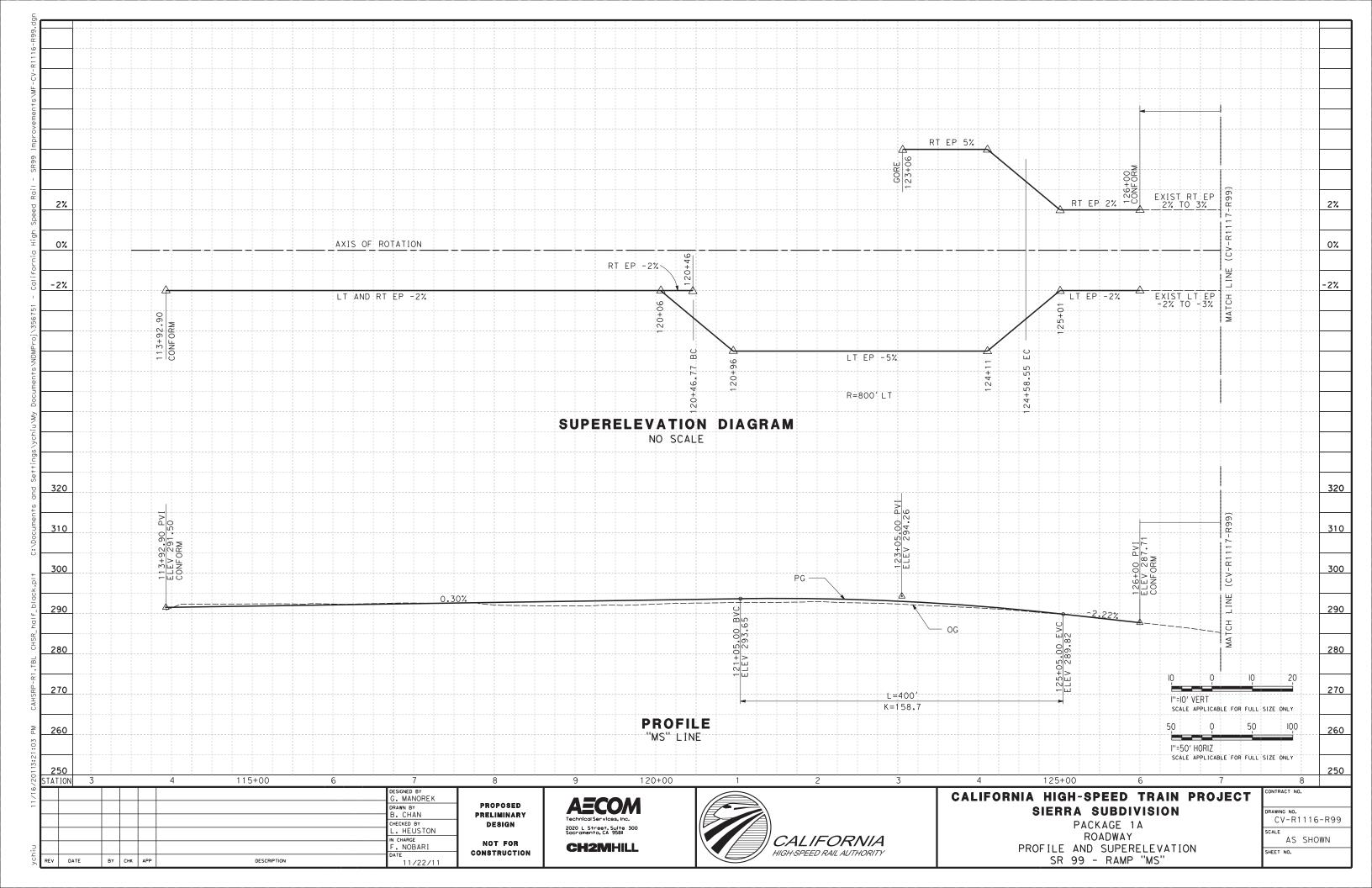


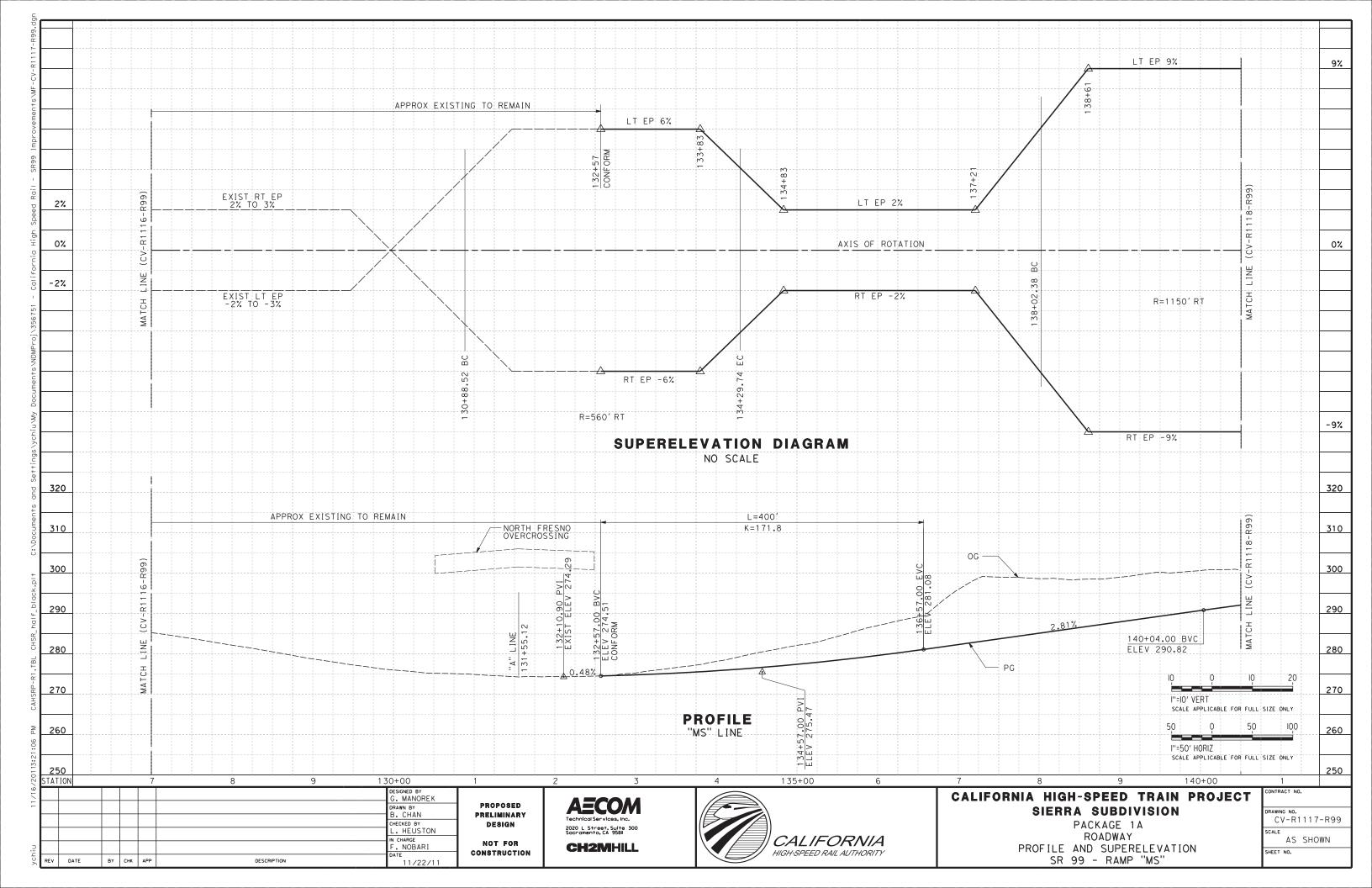


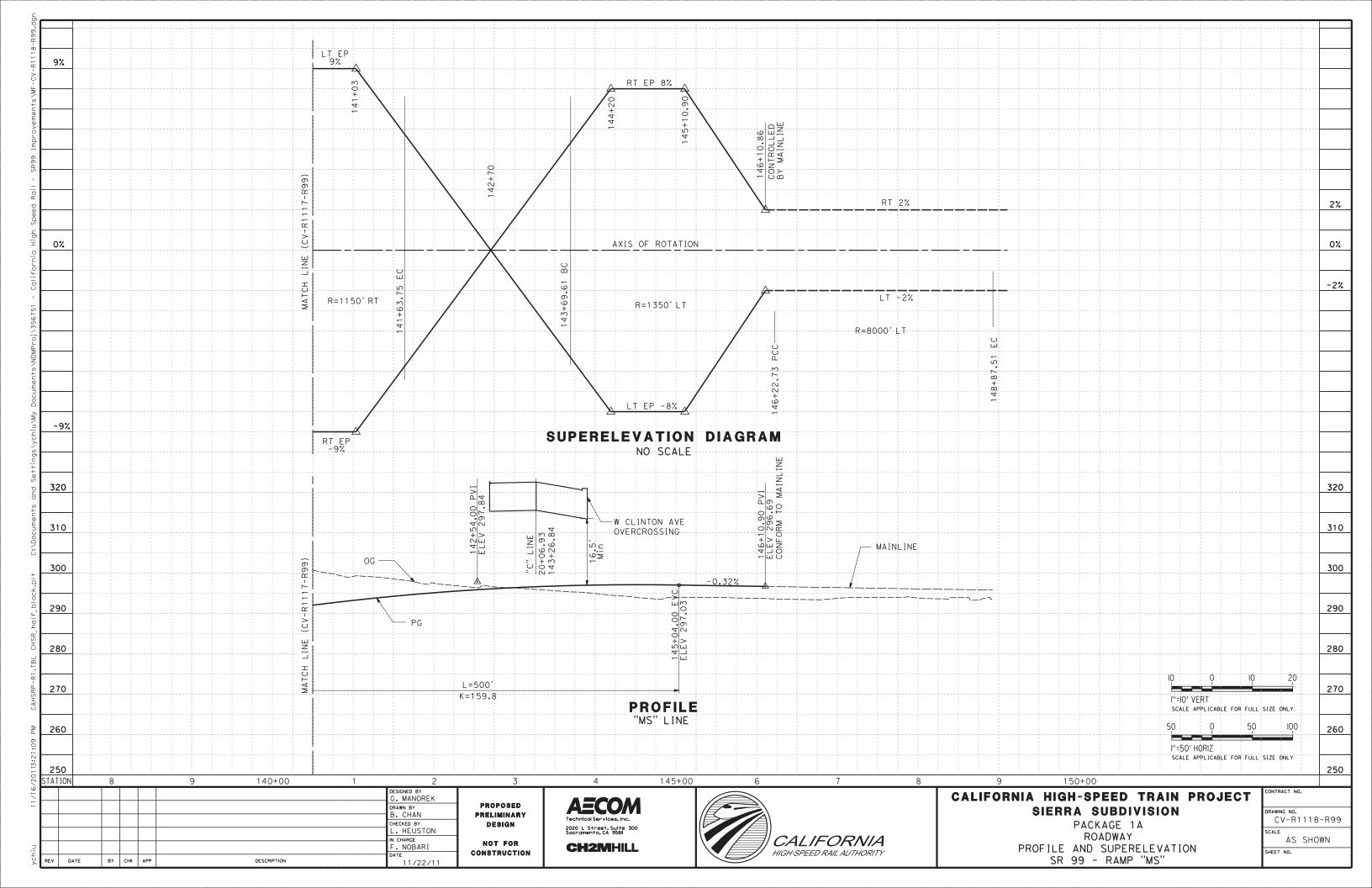


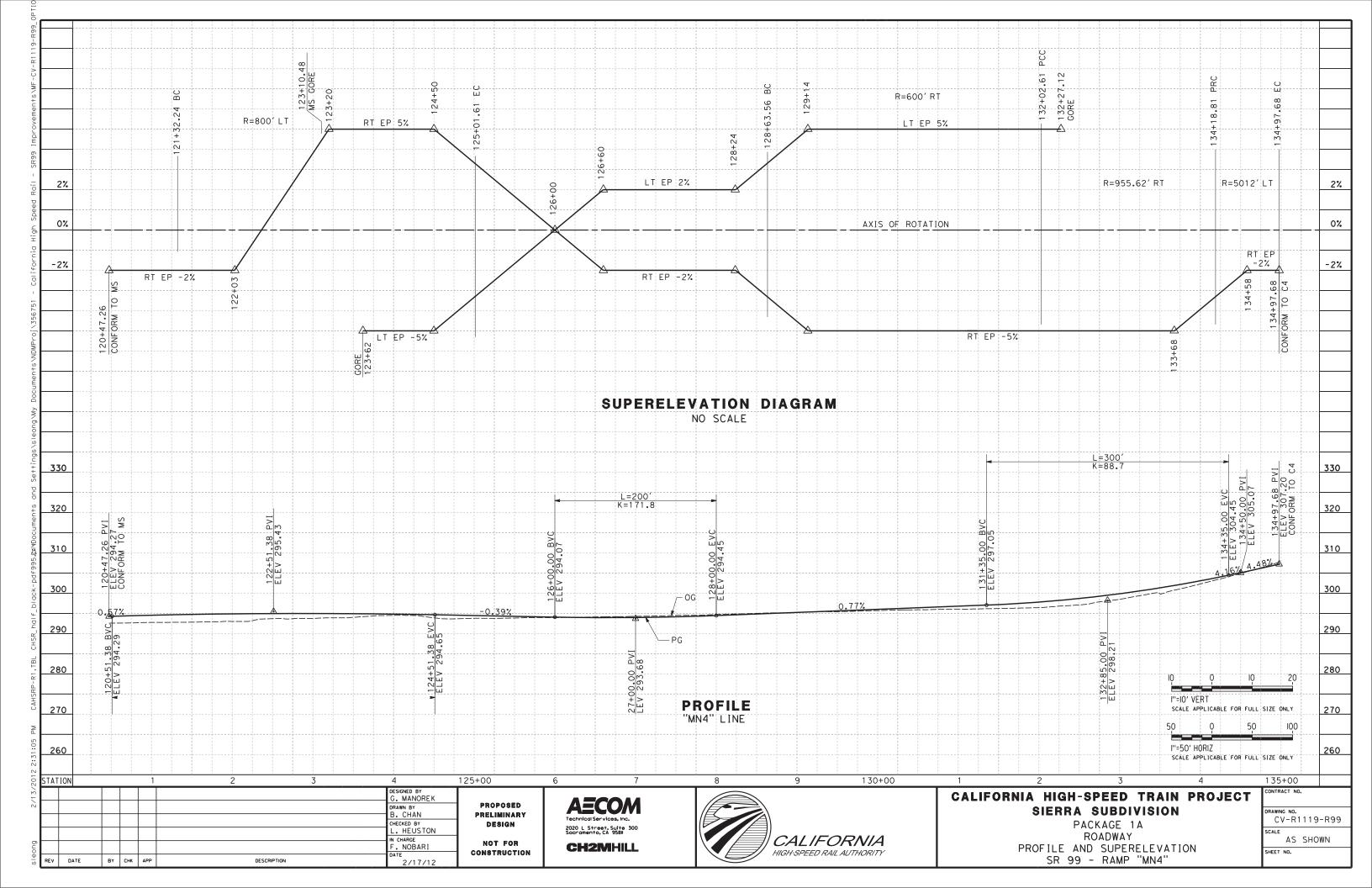


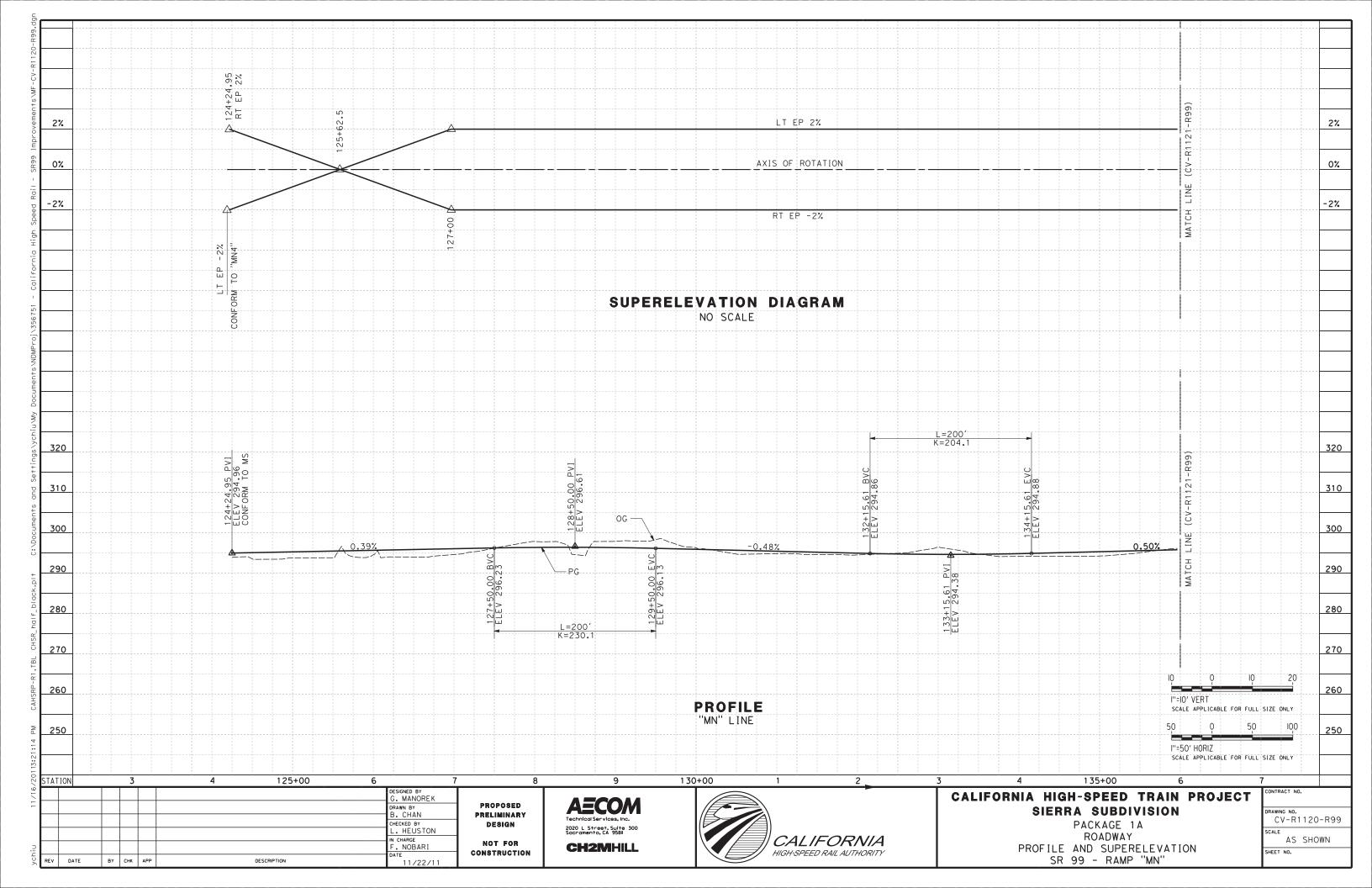


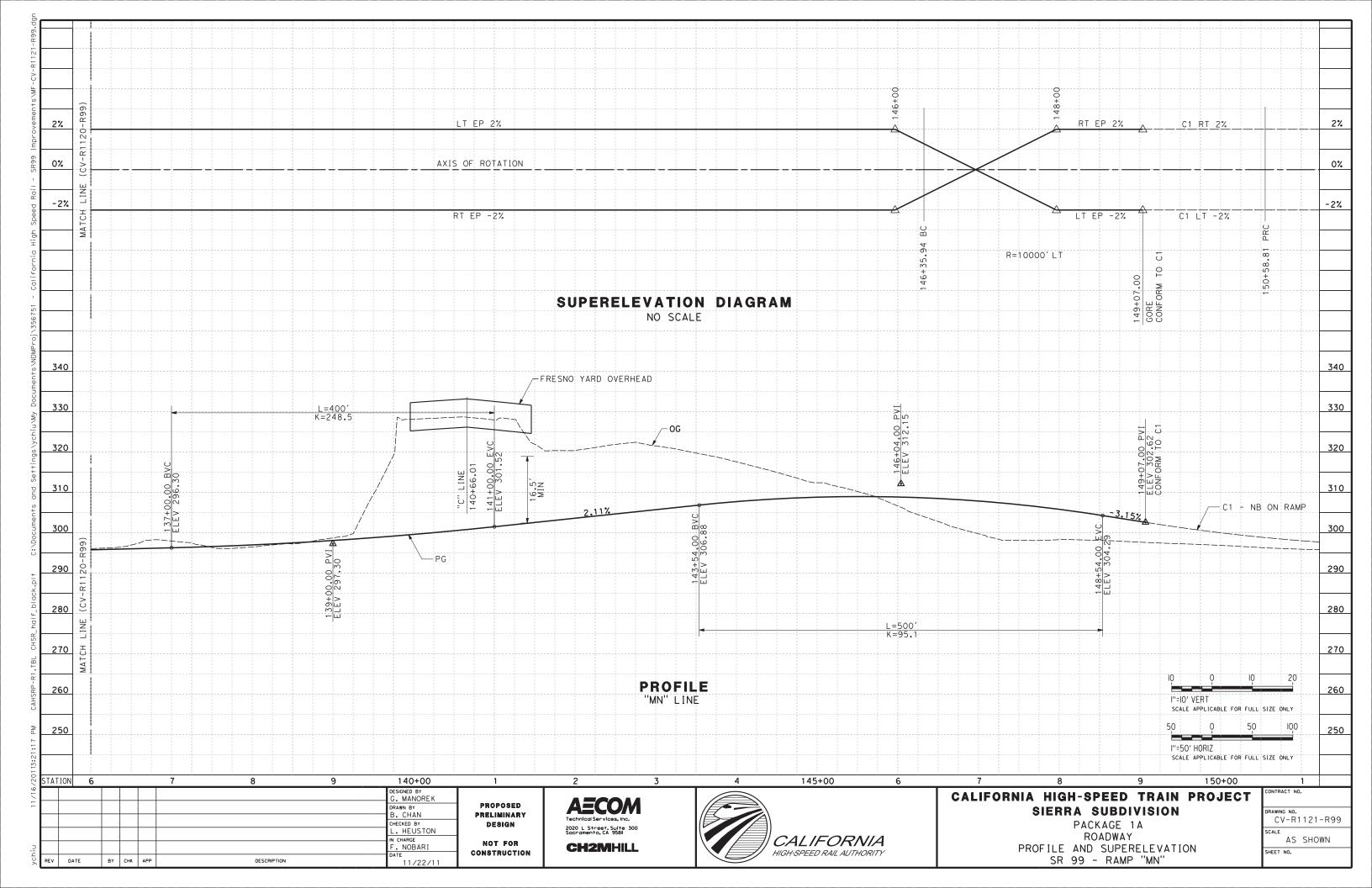


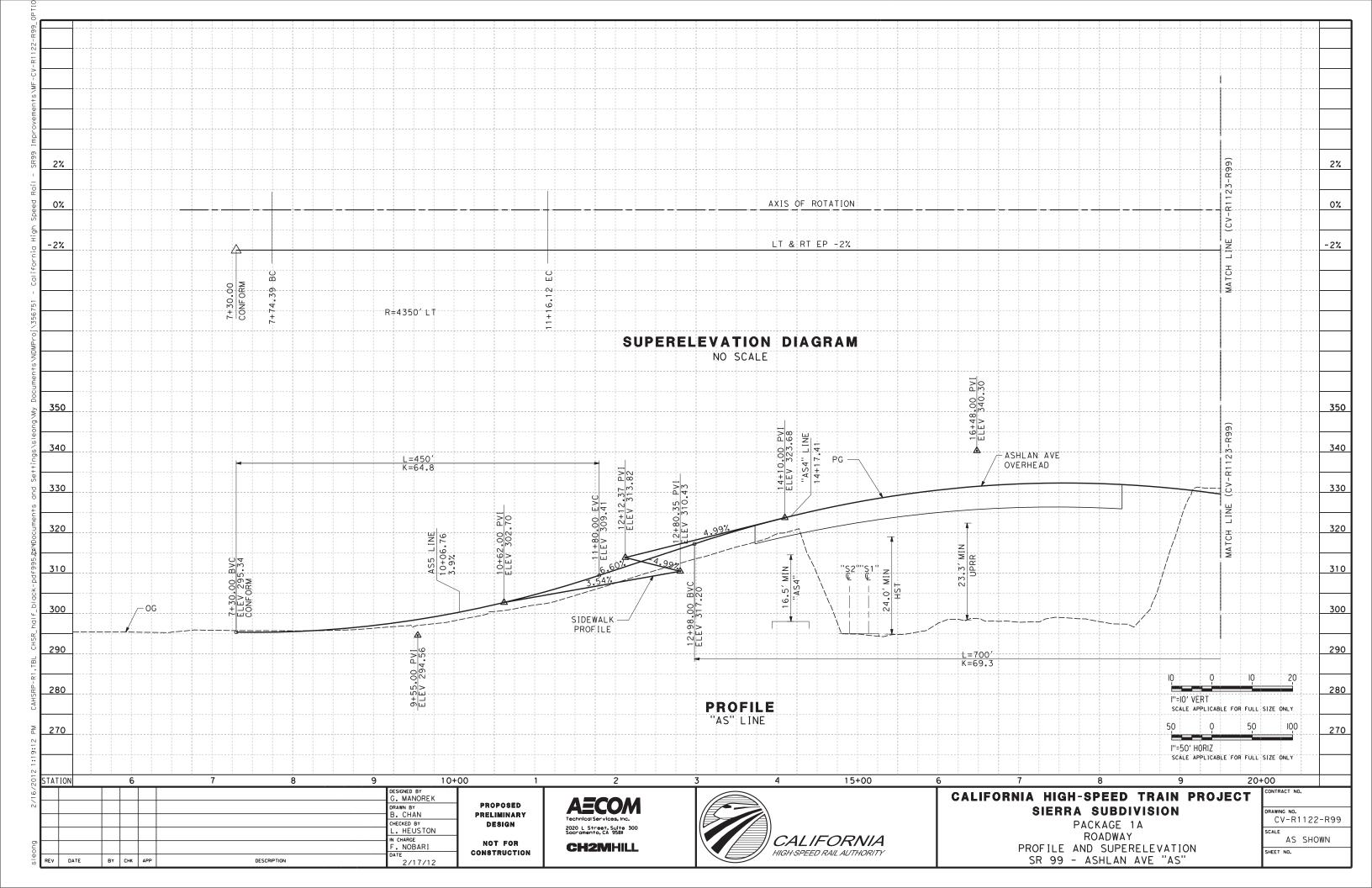


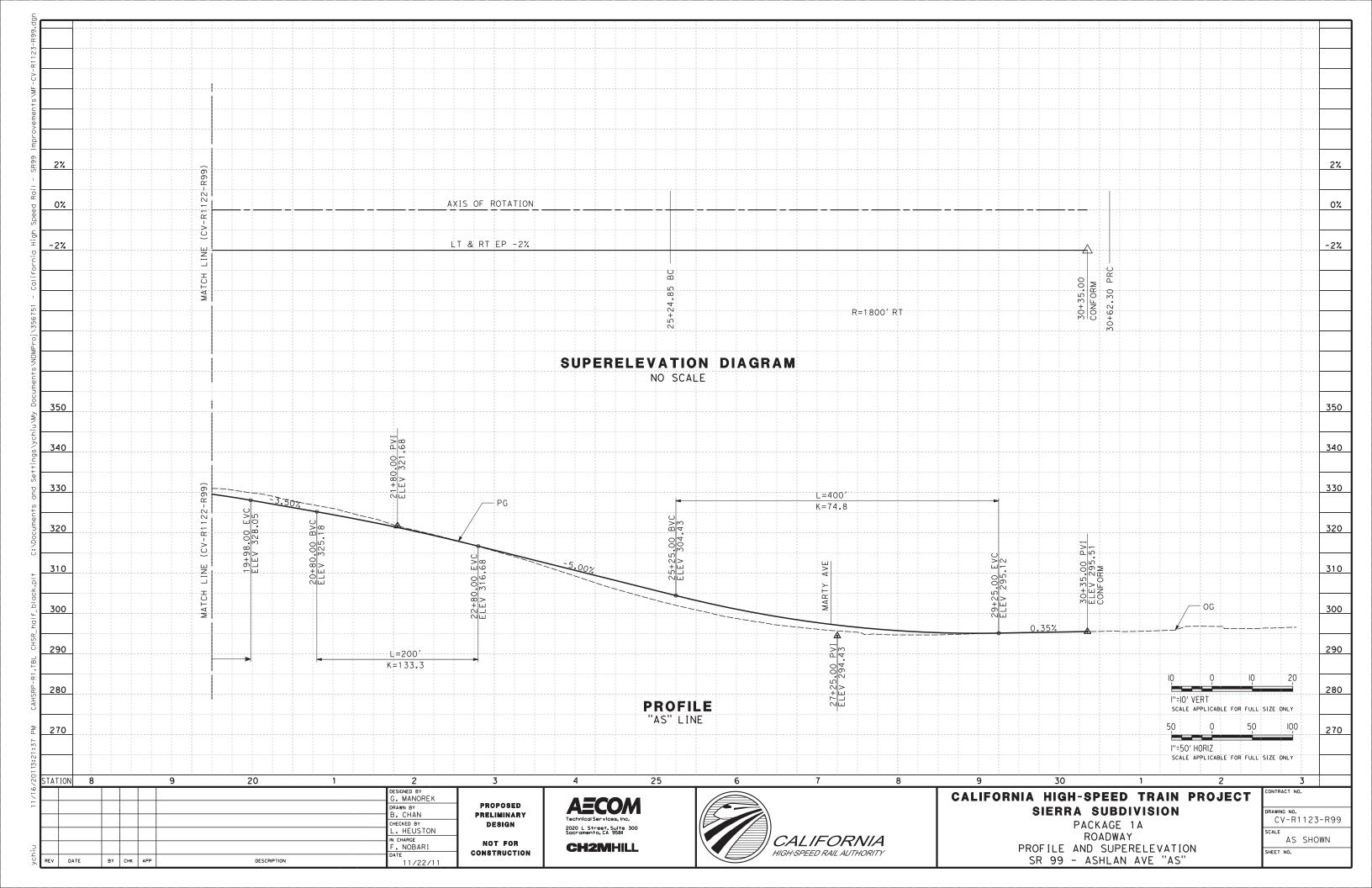


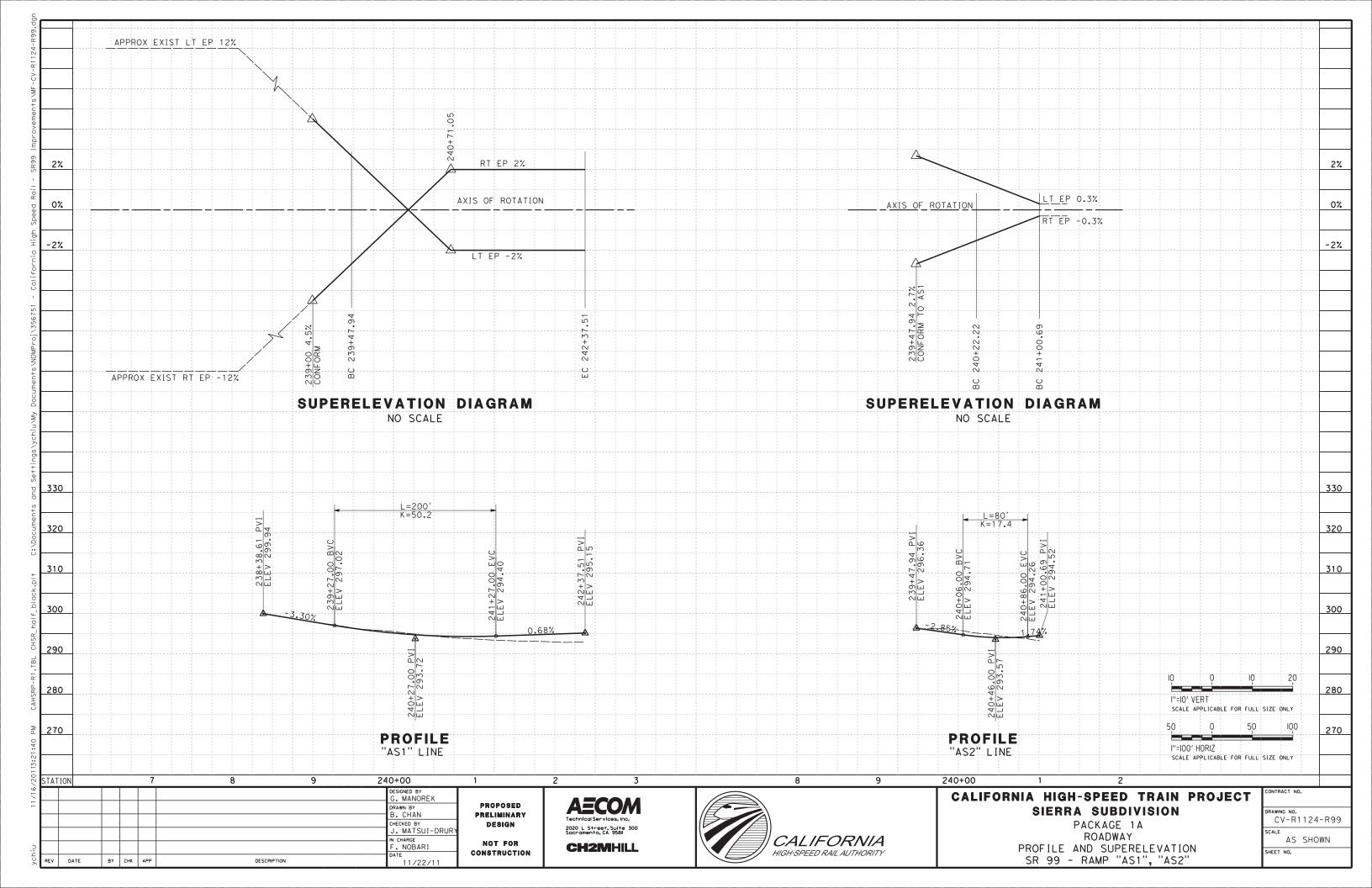


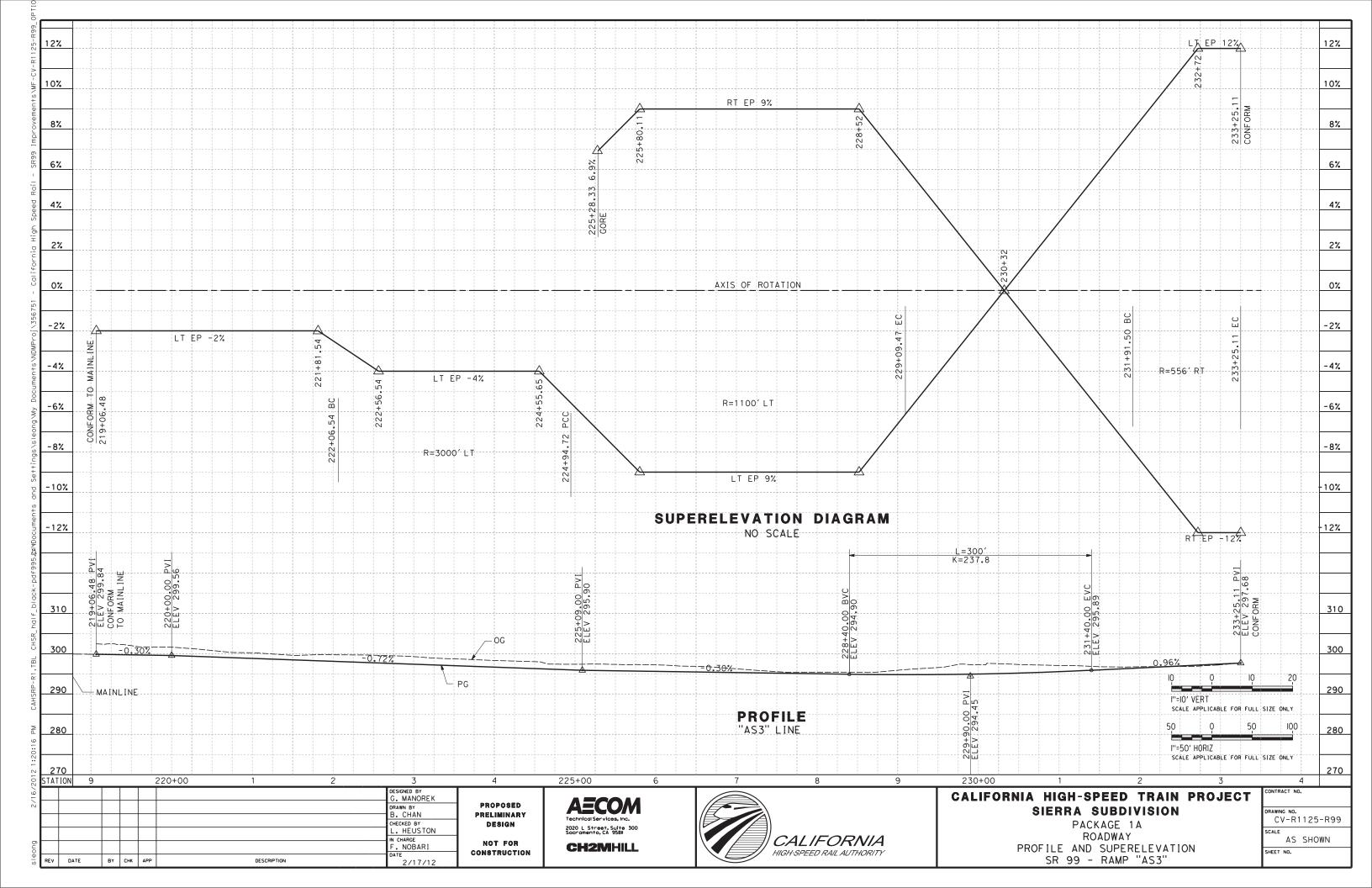


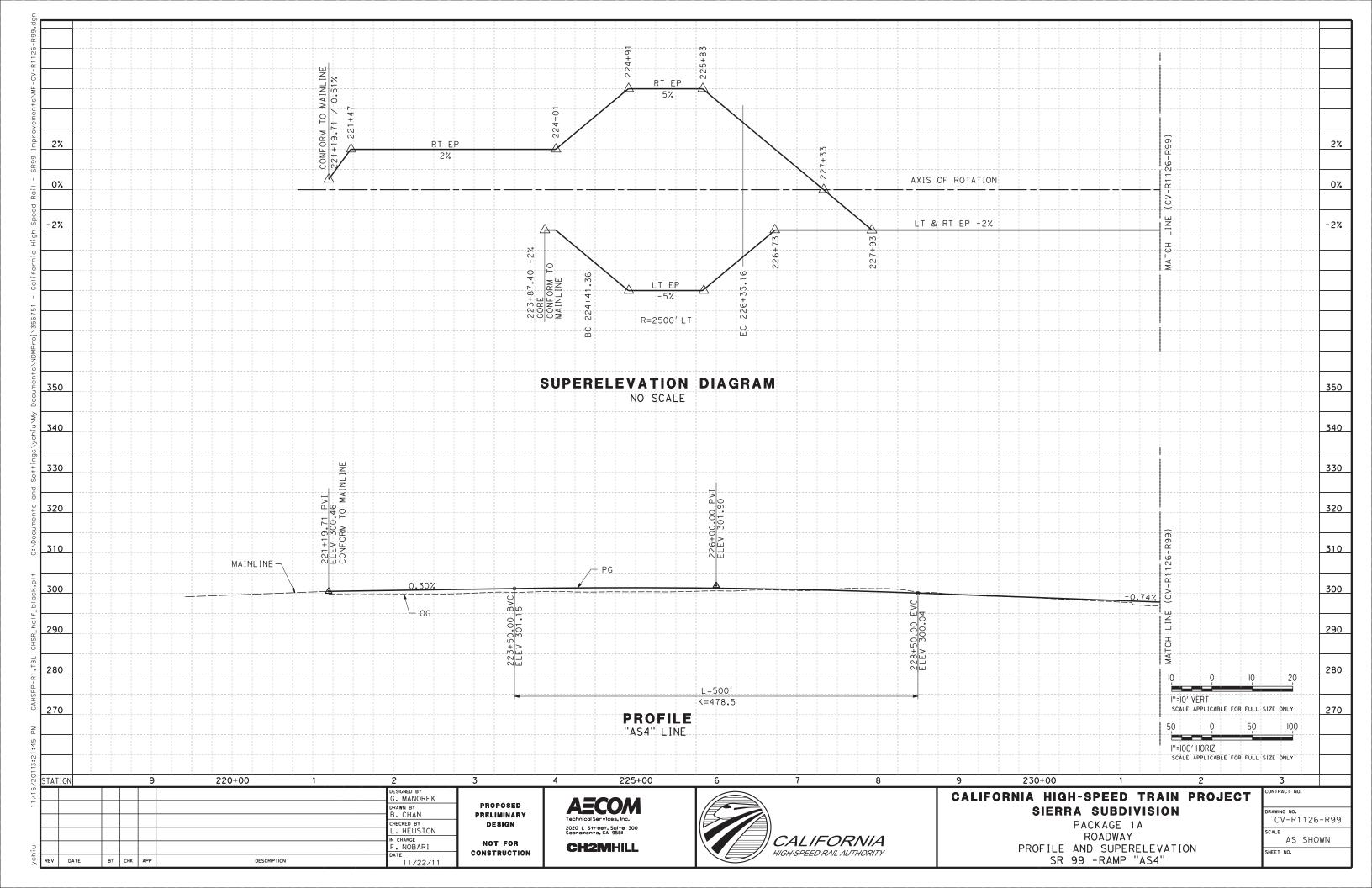


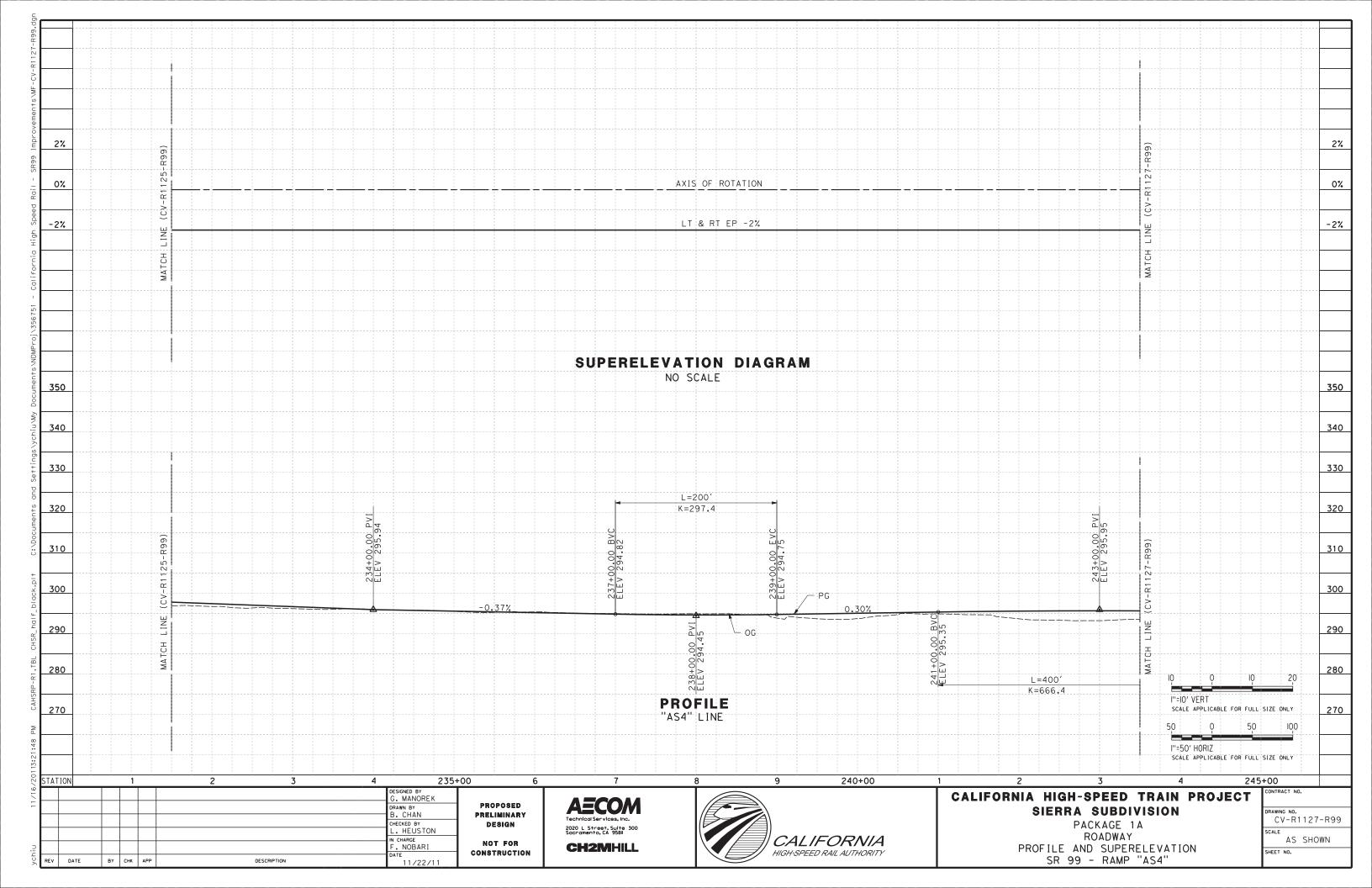


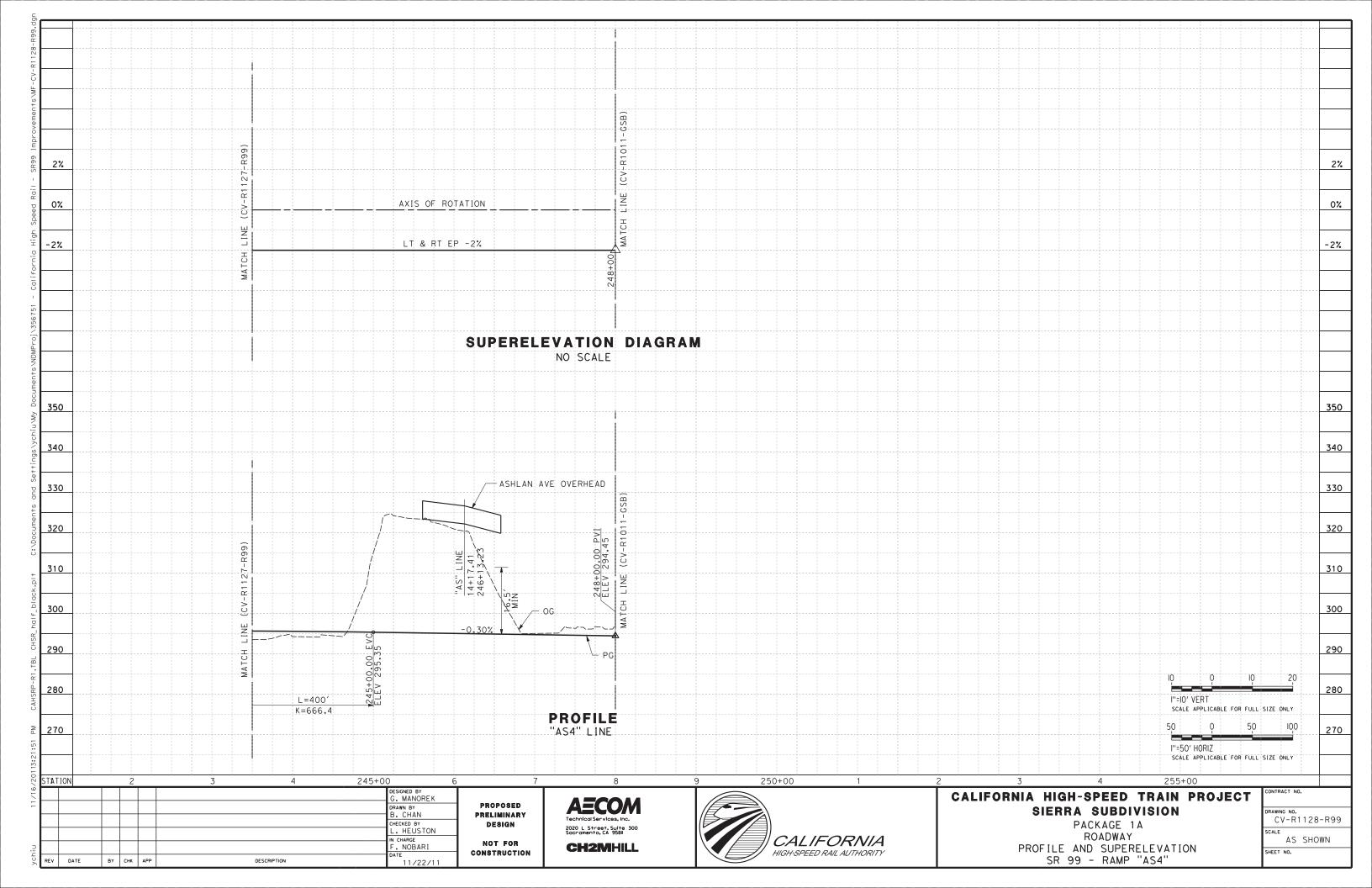


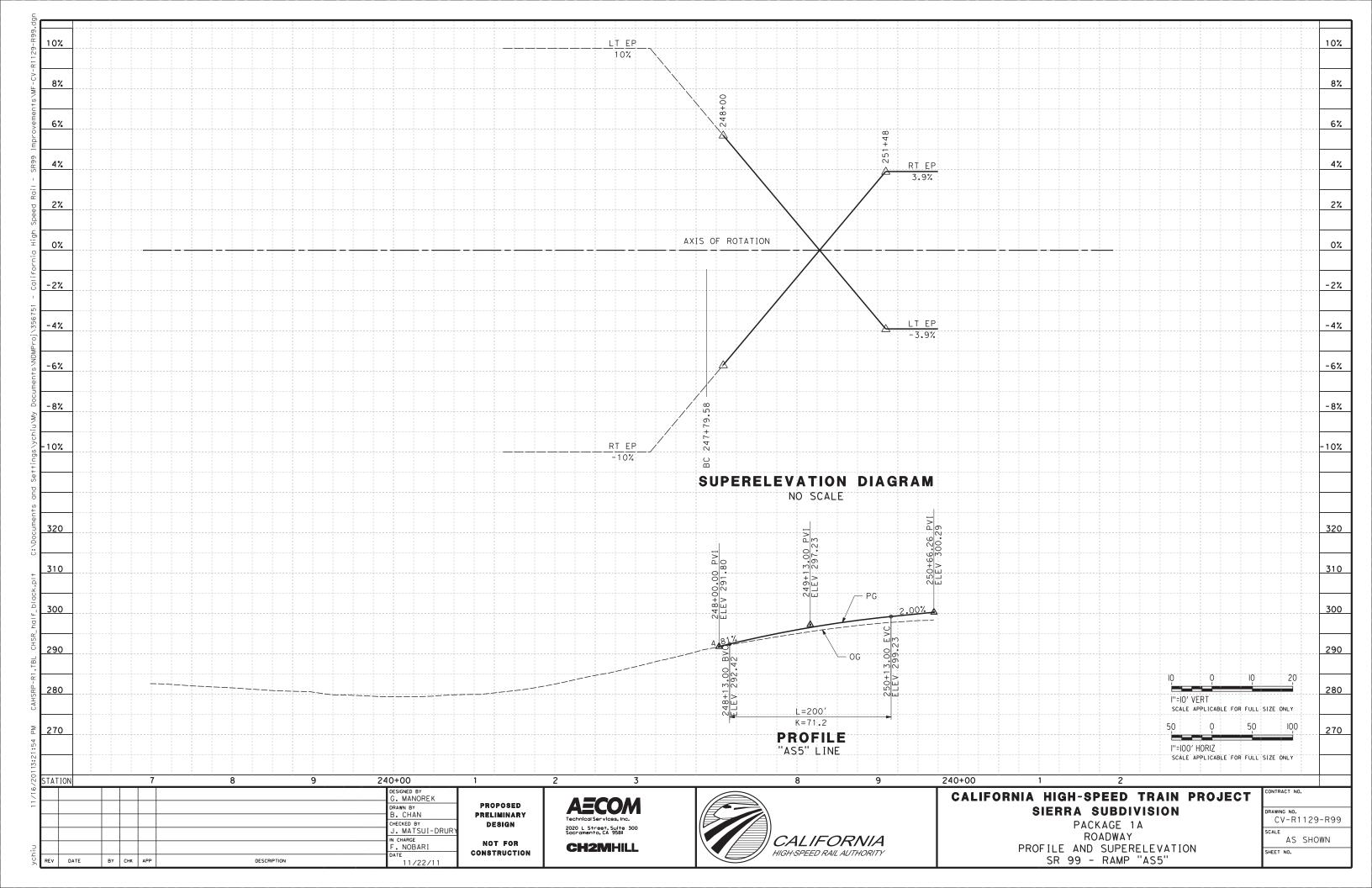


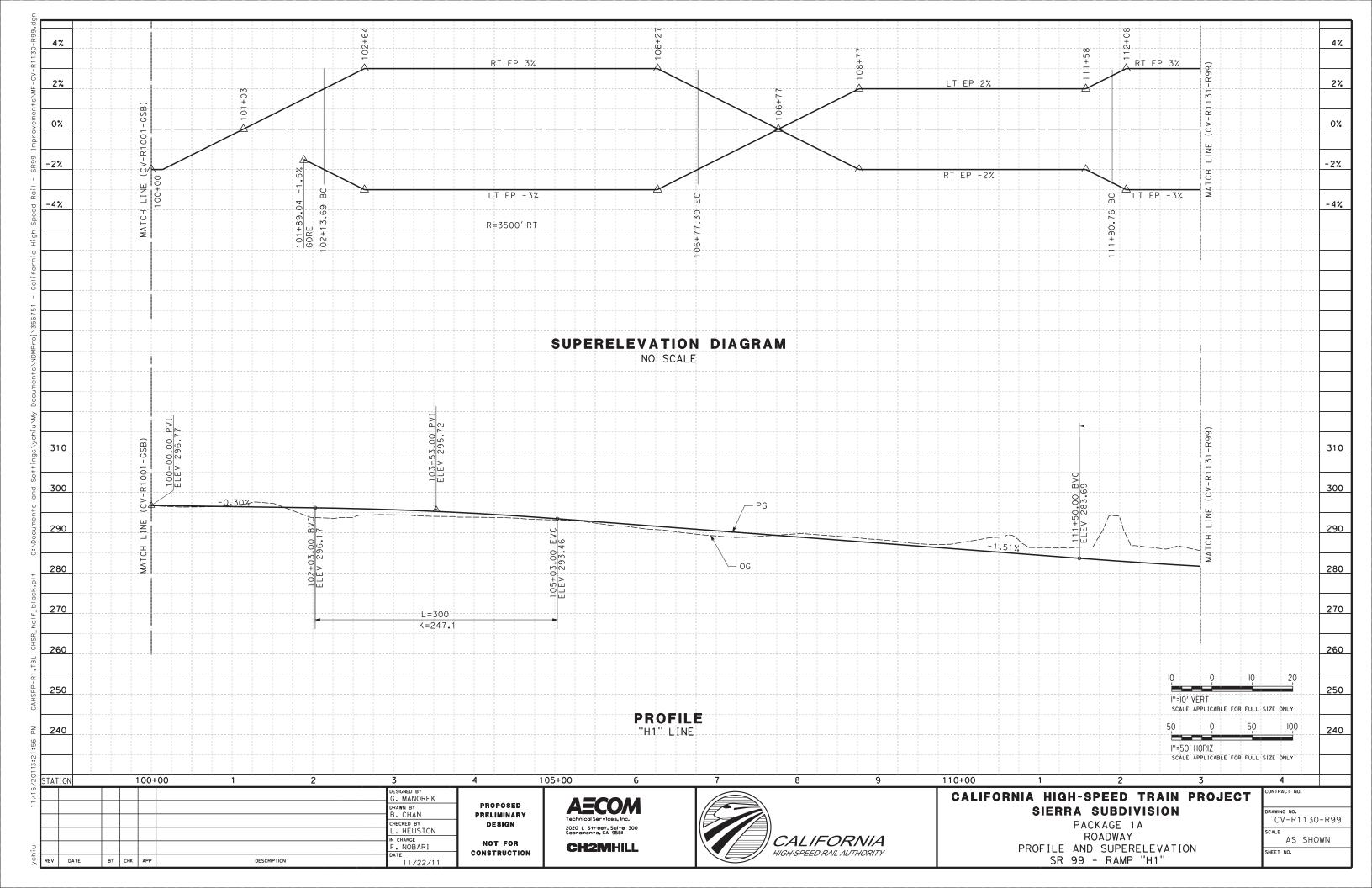


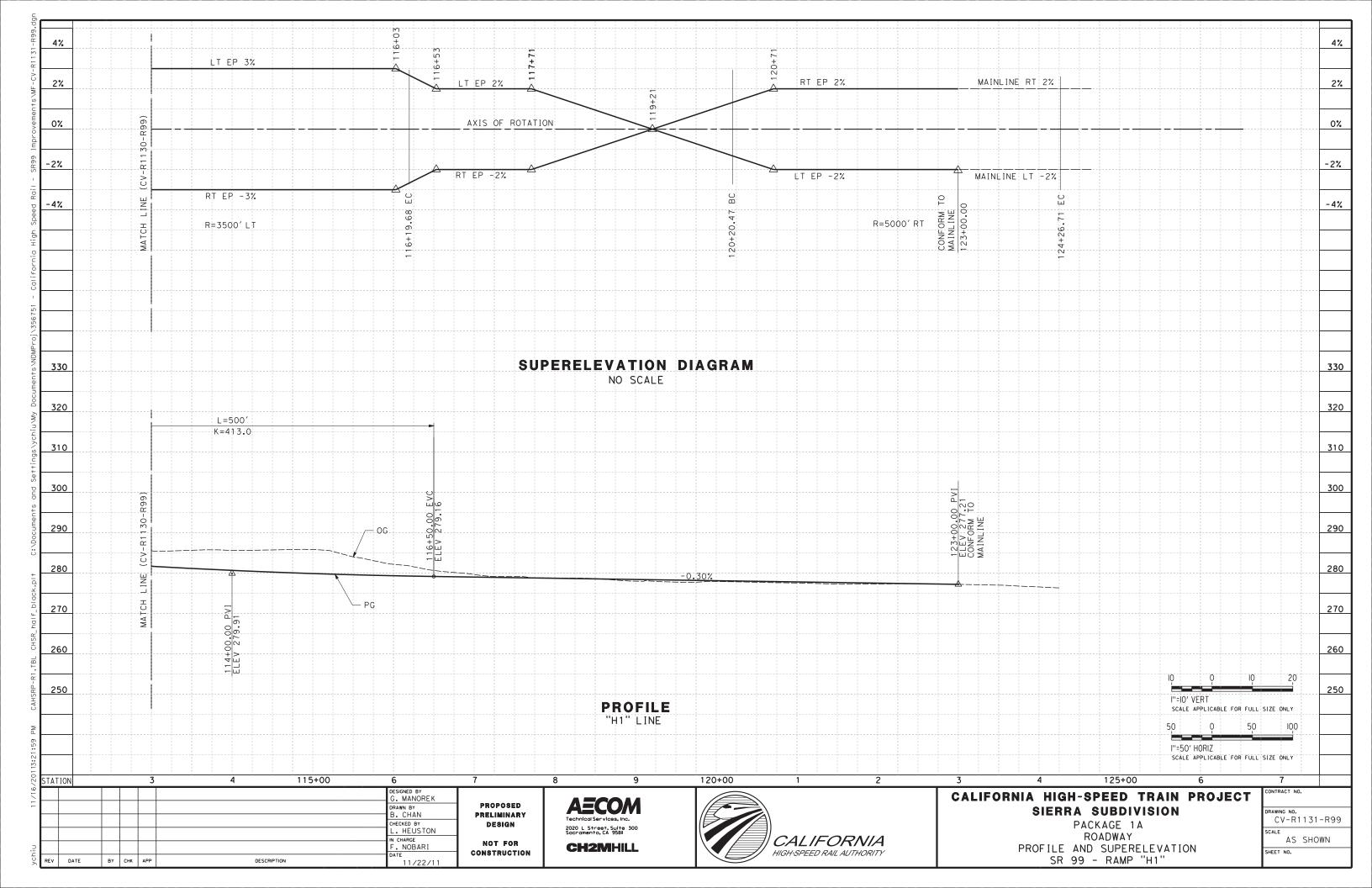


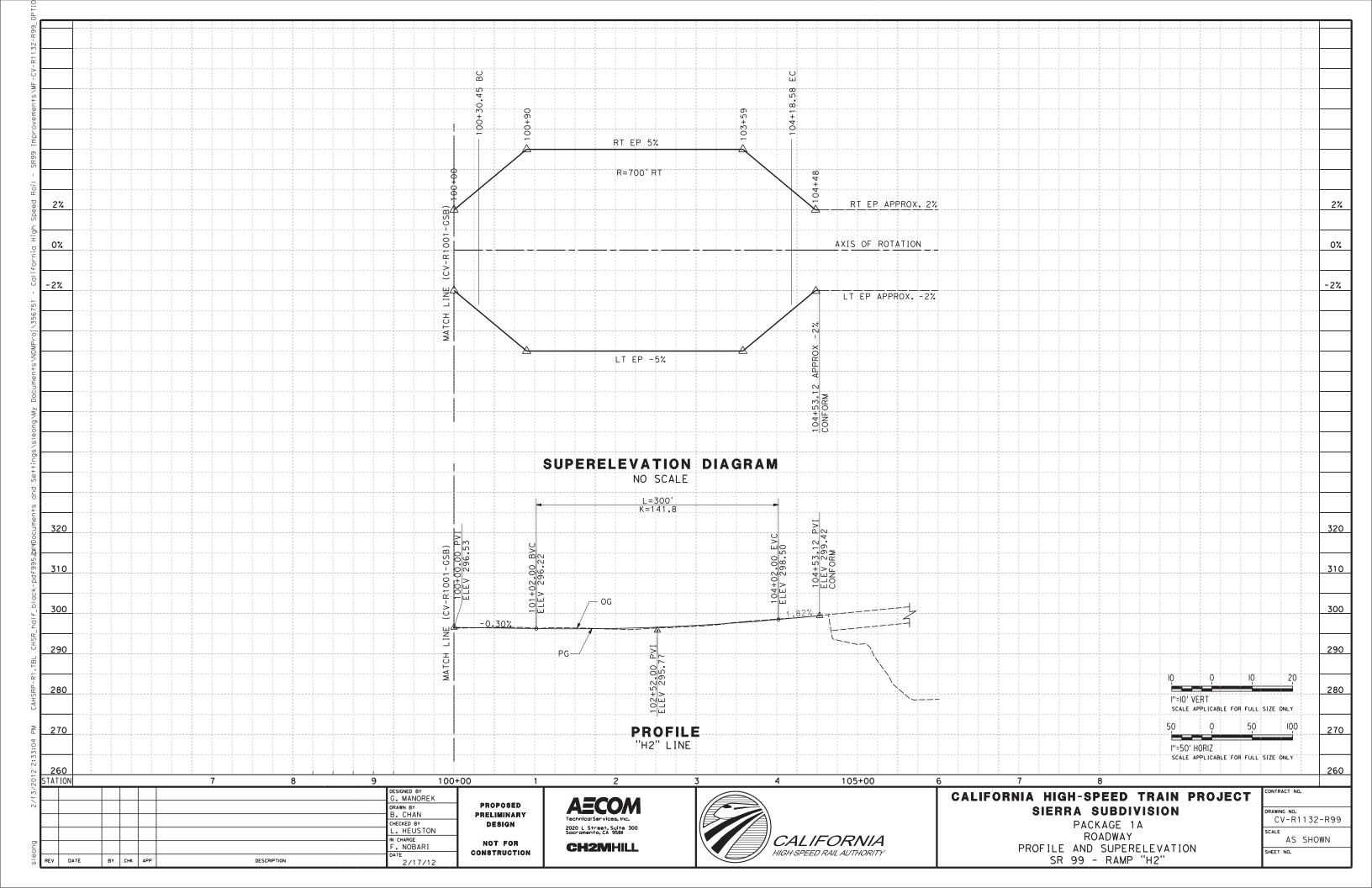


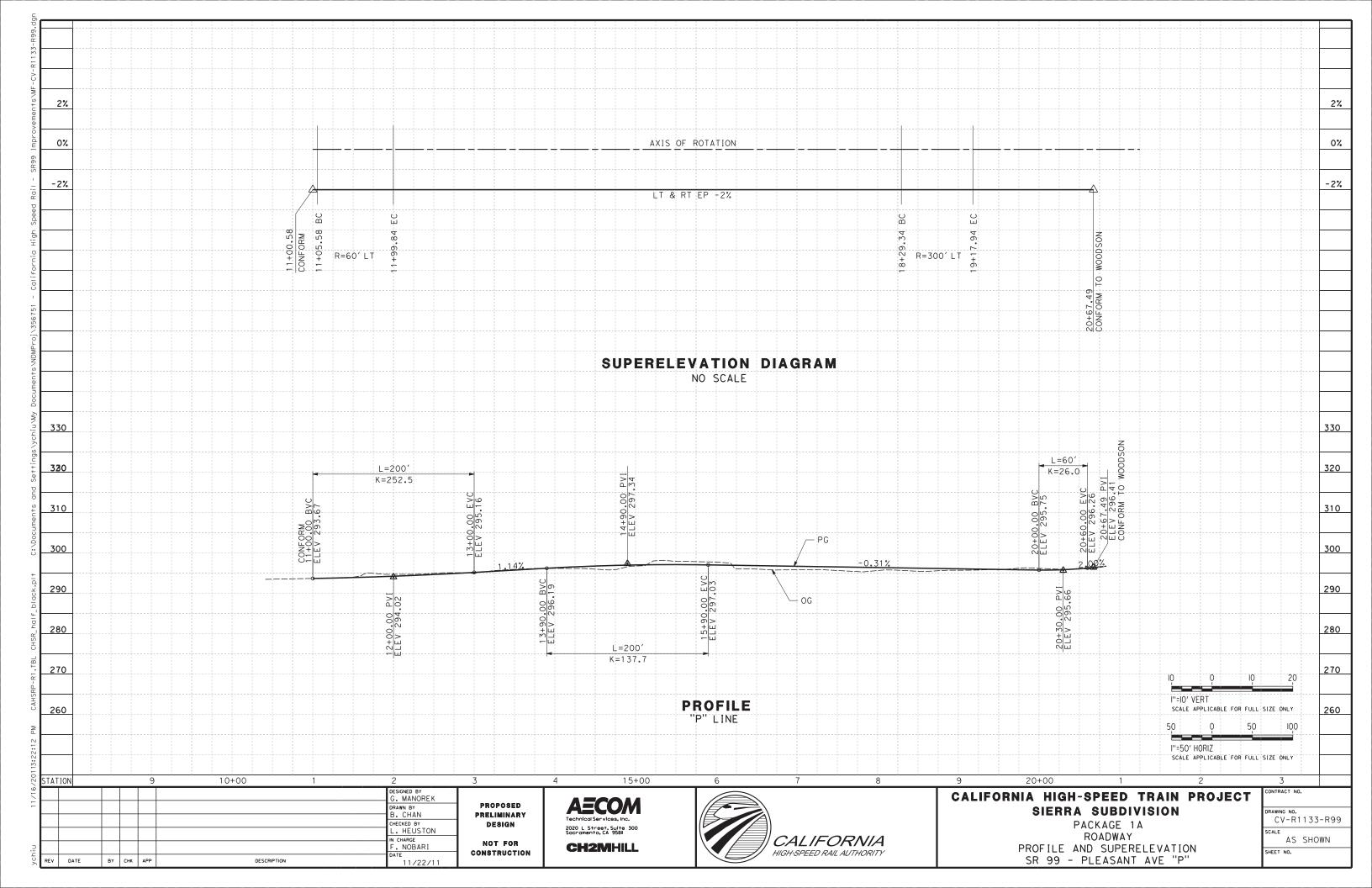


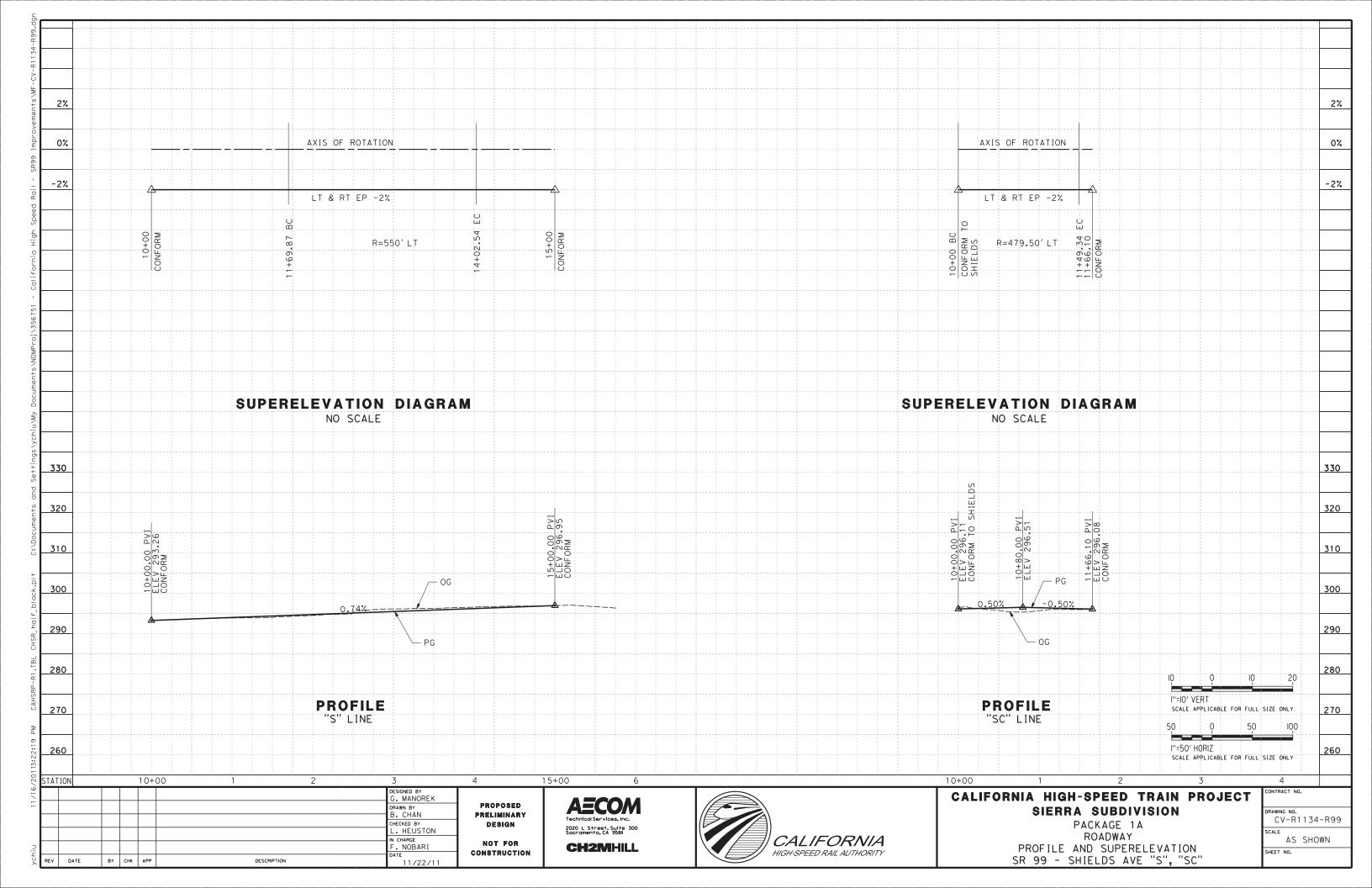


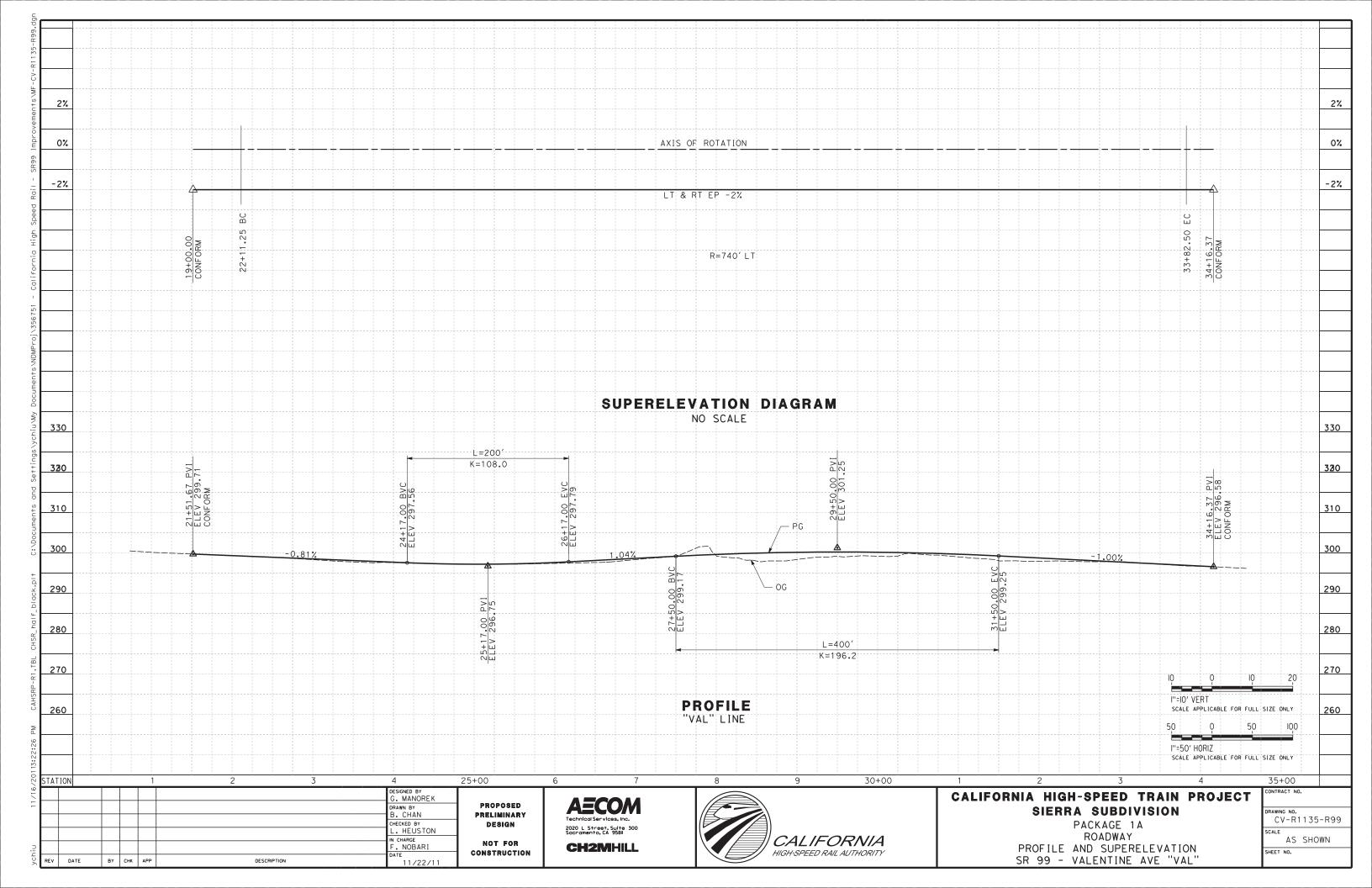


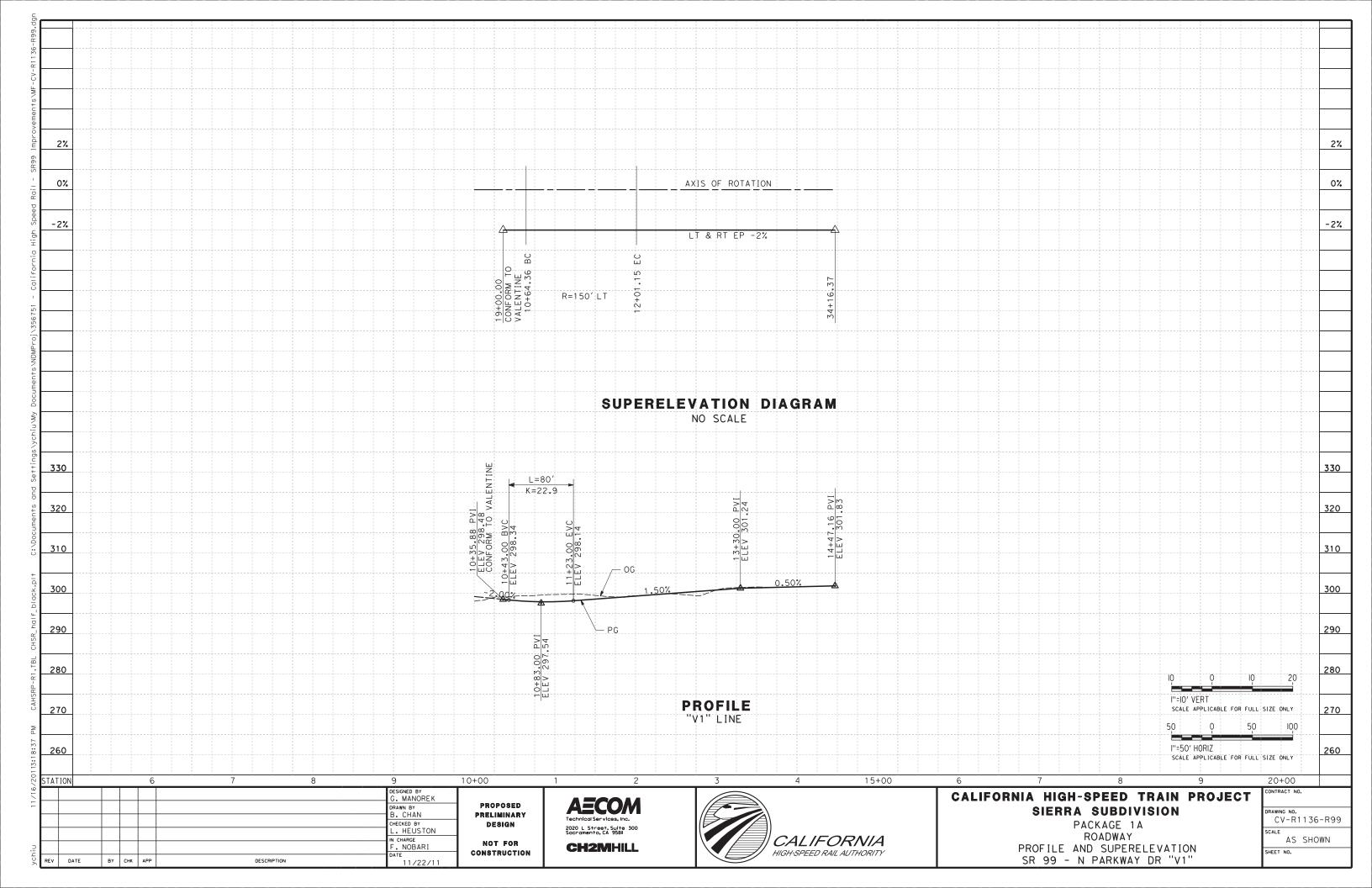


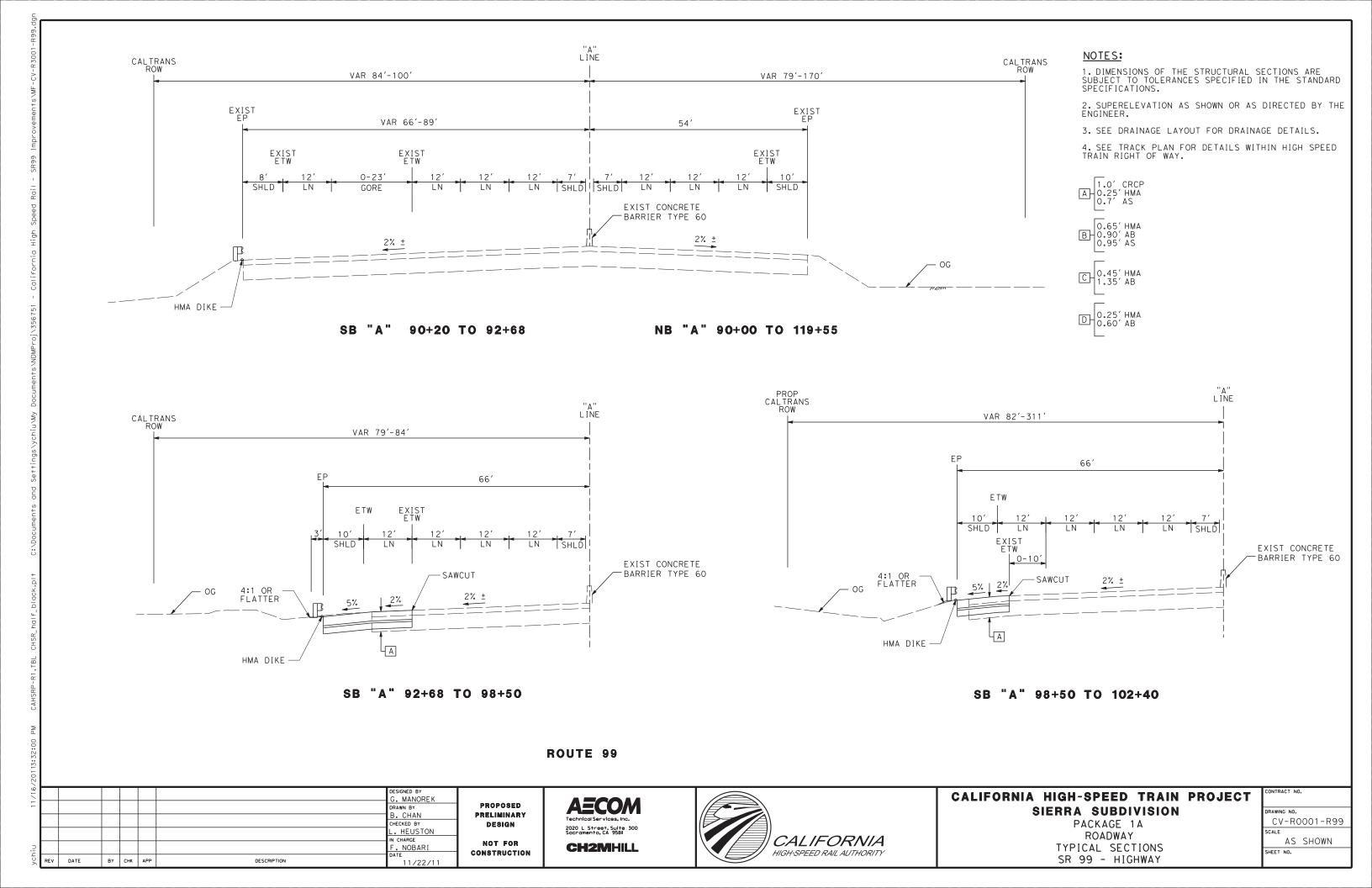


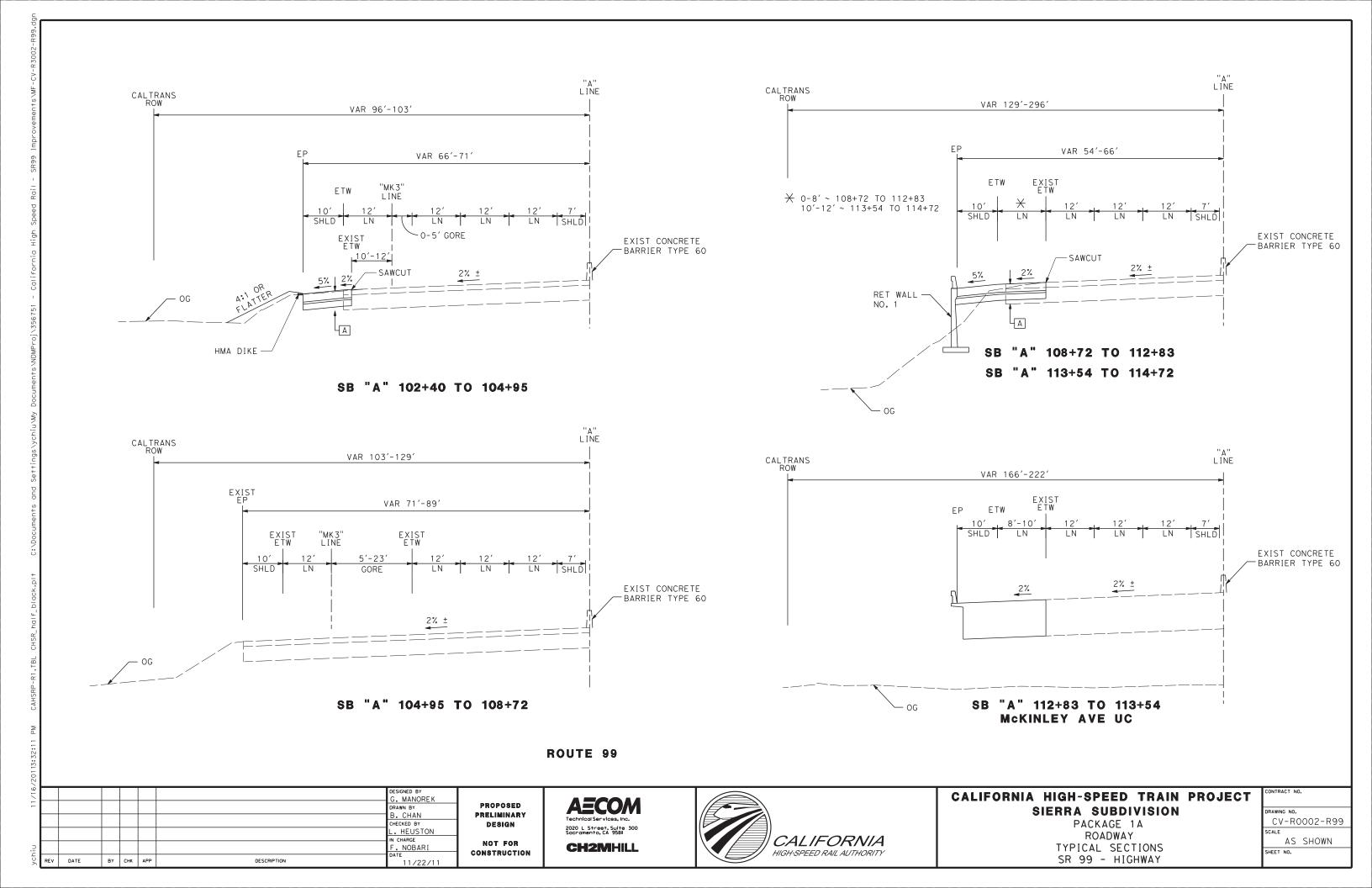


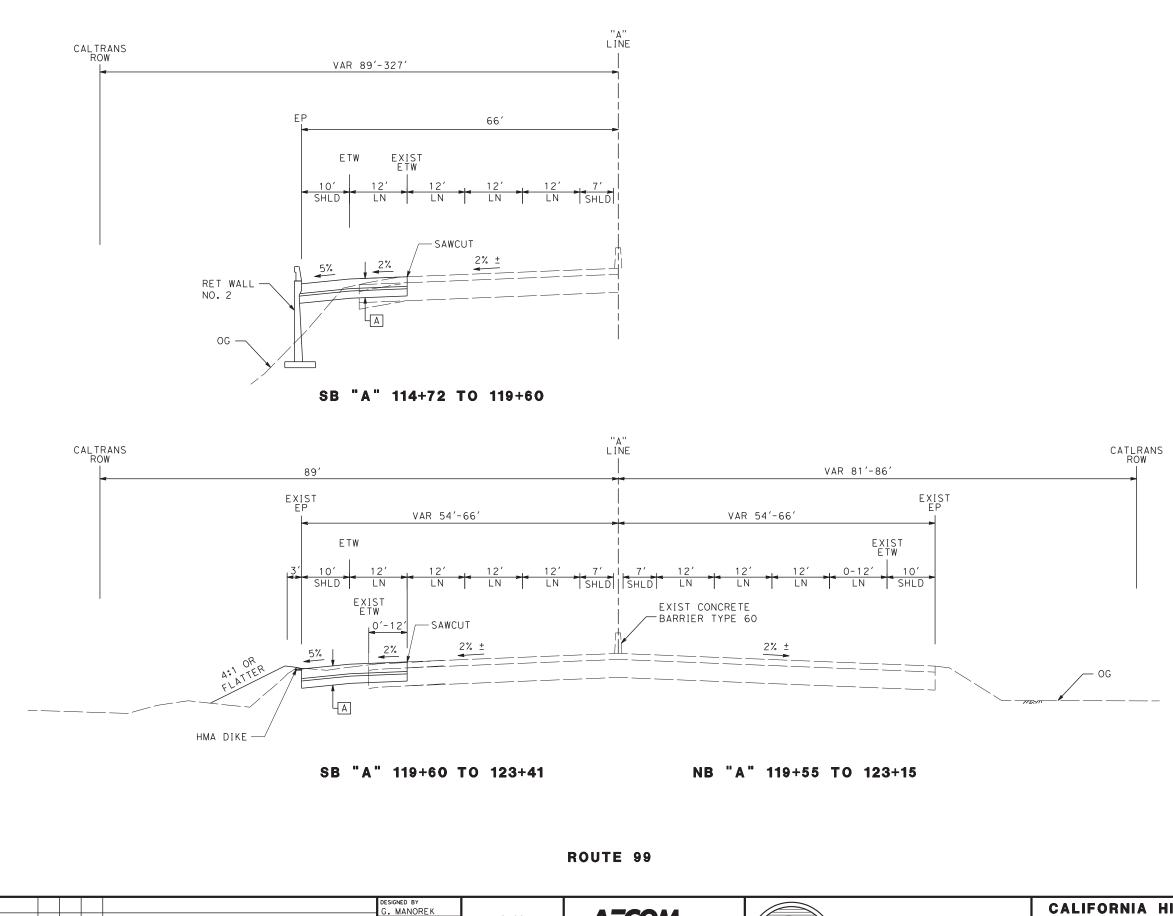












| DESIGNED BY | G. MANORE K | DRAWN BY | B. CHAN | CHECKED BY | L. HEUSTON | IN CHARGE | F. NOBARI | DATE | BY CHK APP | DESCRIPTION | DATE |

PROPOSED
PRELIMINARY
DESIGN
NOT FOR
CONSTRUCTION

AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL



## CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

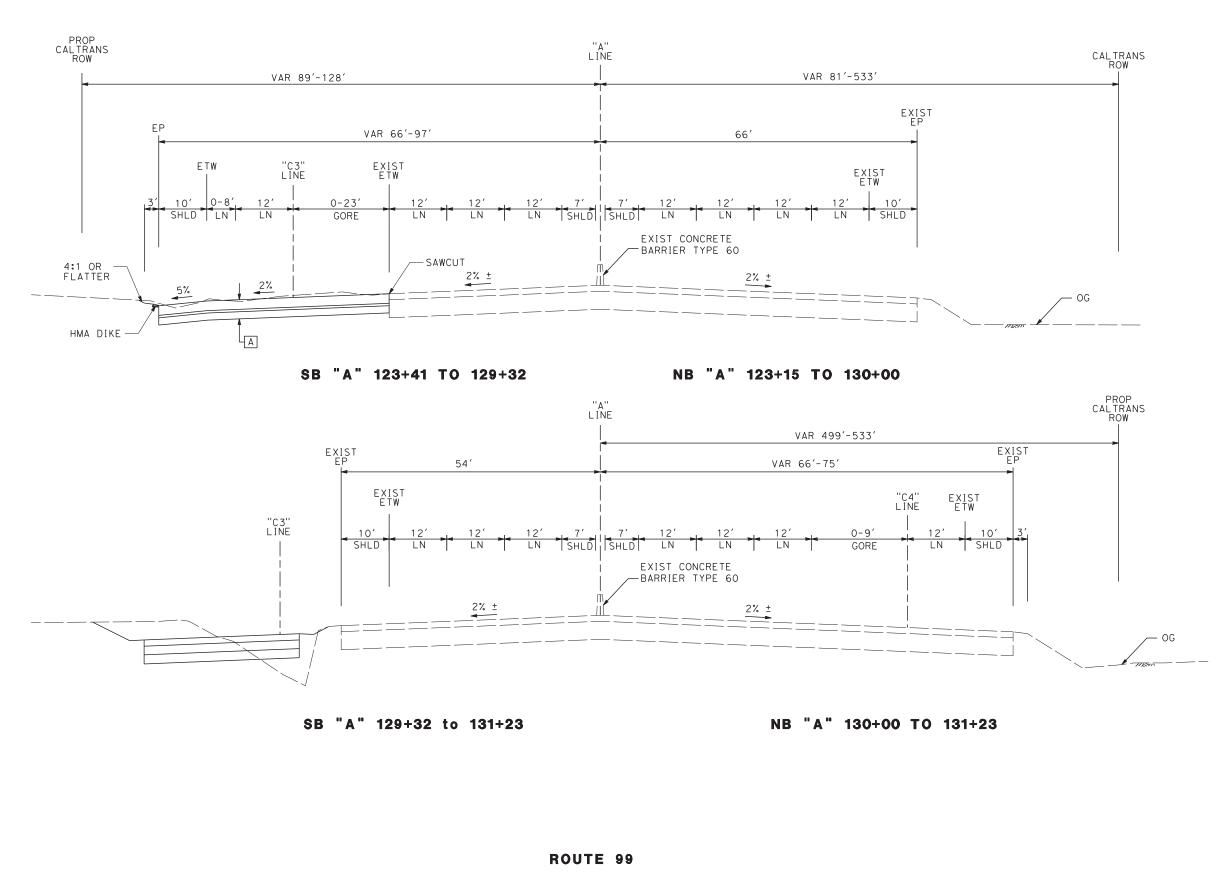
PACKAGE 1A ROADWAY TYPICAL SECTIONS SR 99 - HIGHWAY CONTRACT NO.

DRAWING NO.

CV-R0003-R99

SCALE

AS SHOWN



6/20								
~							DESIGNED BY	
-	$\vdash$						G. MANOREK	PI
-							DRAWN BY	
							B. CHAN	PRI
							CHECKED BY	1
							L. HEUSTON	
	$\vdash$						IN CHARGE	l N
.⊇							F. NOBARI	
ychiu							DATE	CON
×	REV	DATE	BY	СНК	APP	DESCRIPTION	11/22/11	1

PROPOSED
PRELIMINARY
DESIGN
NOT FOR
DISTRUCTION

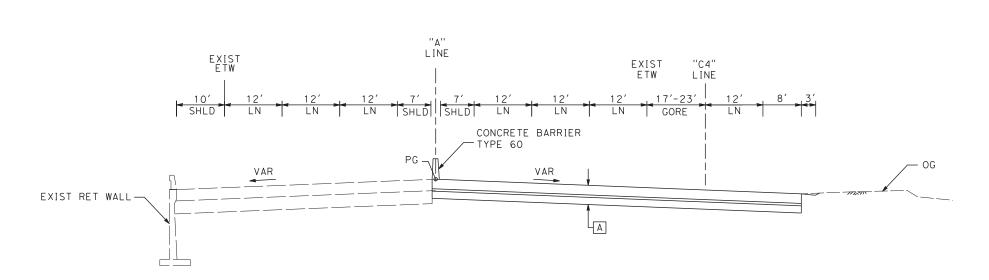




# CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY TYPICAL SECTIONS SR 99 - HIGHWAY

CONTRACT NO.
DRAWING NO.
CV-R0004-R99
SCALE
AS SHOWN
CUEET NO



SB "A" 132+00 TO 134+00

NB "A" 132+00 TO 132+69

#### ROUTE 99

	B. CHAN
	CHECKED BY L. HEUSTON
	IN CHARGE  F. NOBARI  DATE
CHK APP	CHK APP DESCRIPTION

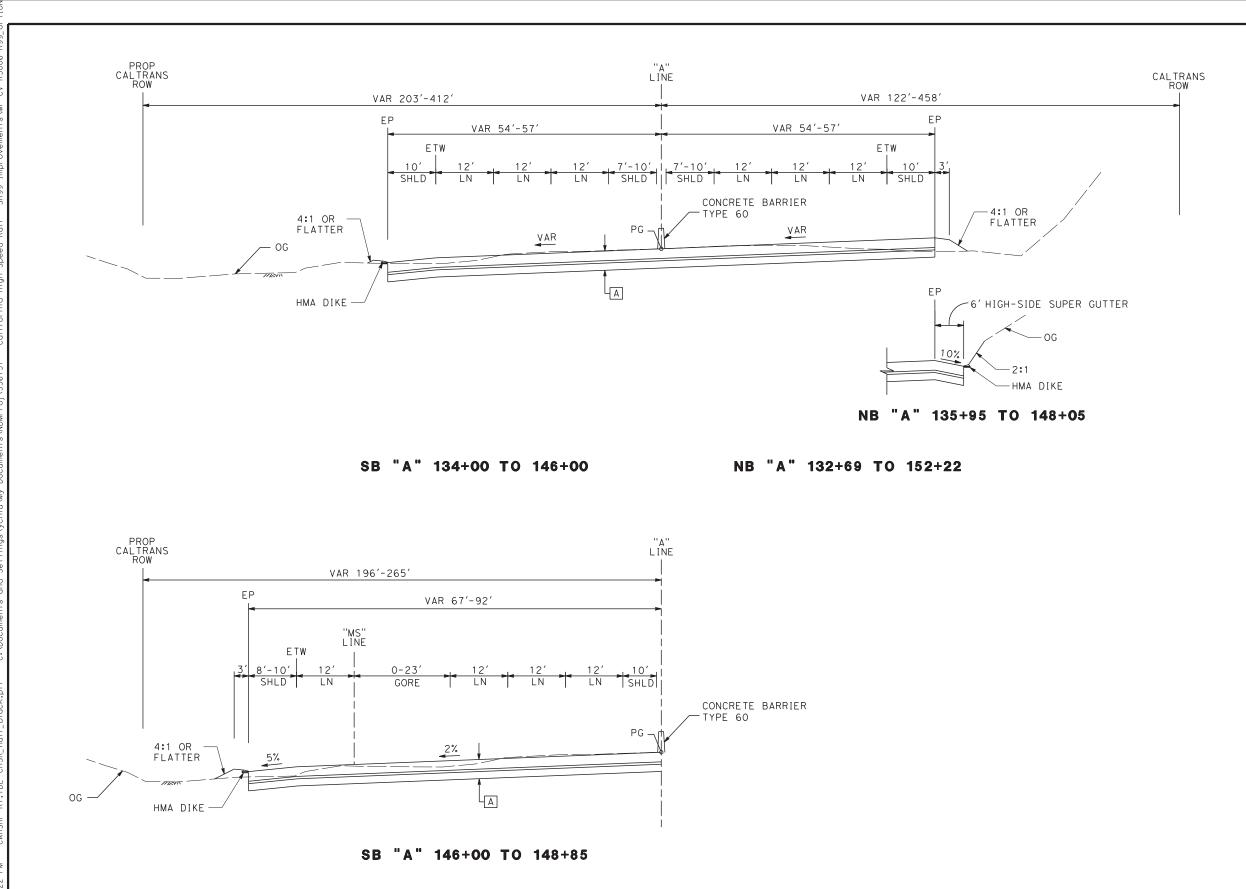
PROPOSED PRELIMINARY DESIGN NOT FOR ONSTRUCTION 2020 L Street, Suite 300 Sacramento, CA 958II **CH2MHILL** 



### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY TYPICAL SECTIONS SR 99 - HIGHWAY

CONTRACT	NO.		
DRAWING N	10.		
CV-	R0	005-	R99
SCALE			
А	S	SHOW	/N
SHEET NO.			



ROUTE 99

2/16/20							DESIGNED BY G. MANORE K DRAWN BY B. CHAN CHECKED BY	F
hiu							L. HEUSTON IN CHARGE F. NOBARI DATE	COI
γC	REV	DATE	BY	СНК	APP	DESCRIPTION	2/17/12	

PROPOSED
PRELIMINARY
DESIGN
NOT FOR
CONSTRUCTION

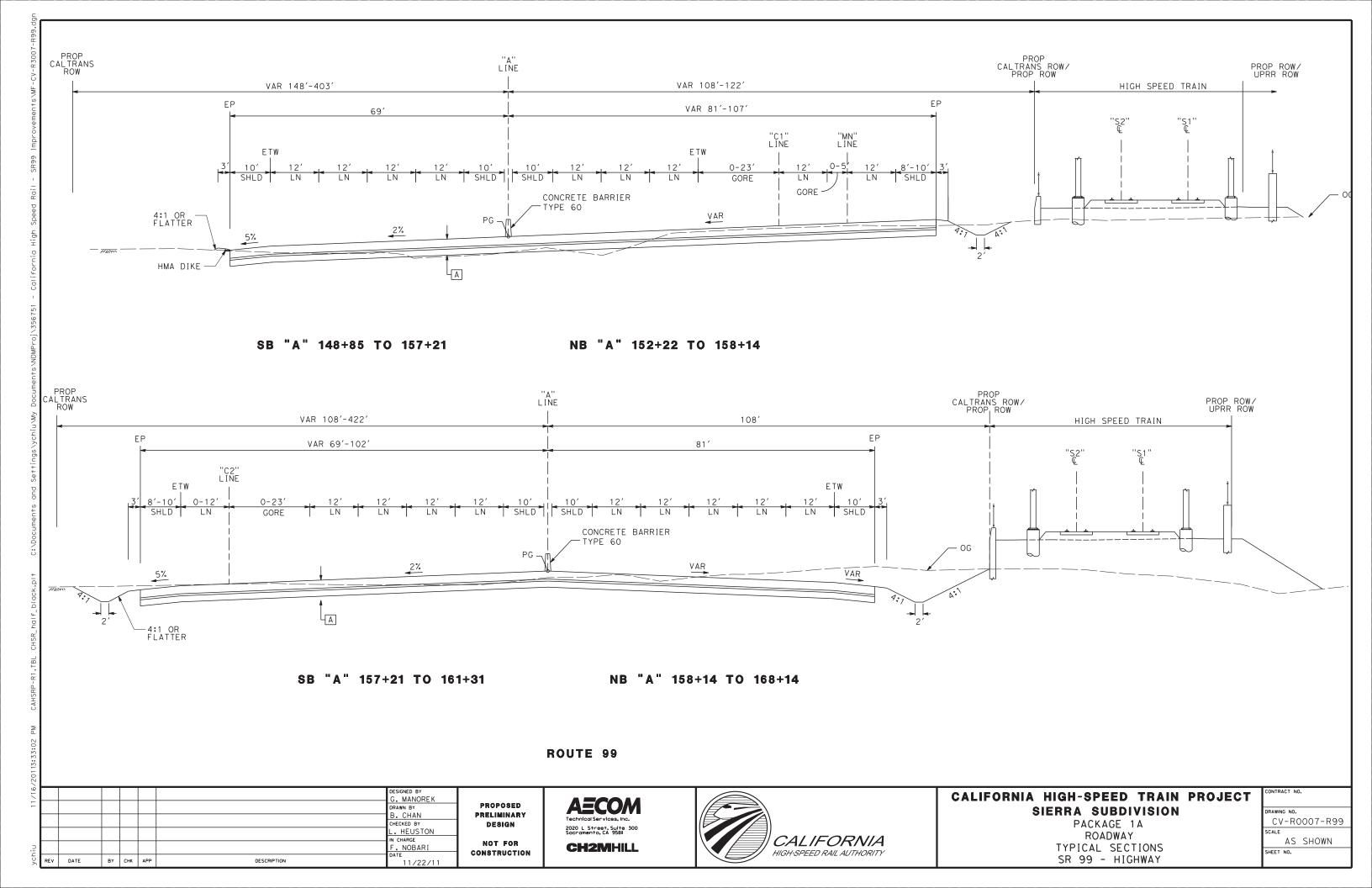
AECOM
Technical Services, Inc.
2020 L Street, Suite 300
Sacramento, CA 95811
CH2MHILL

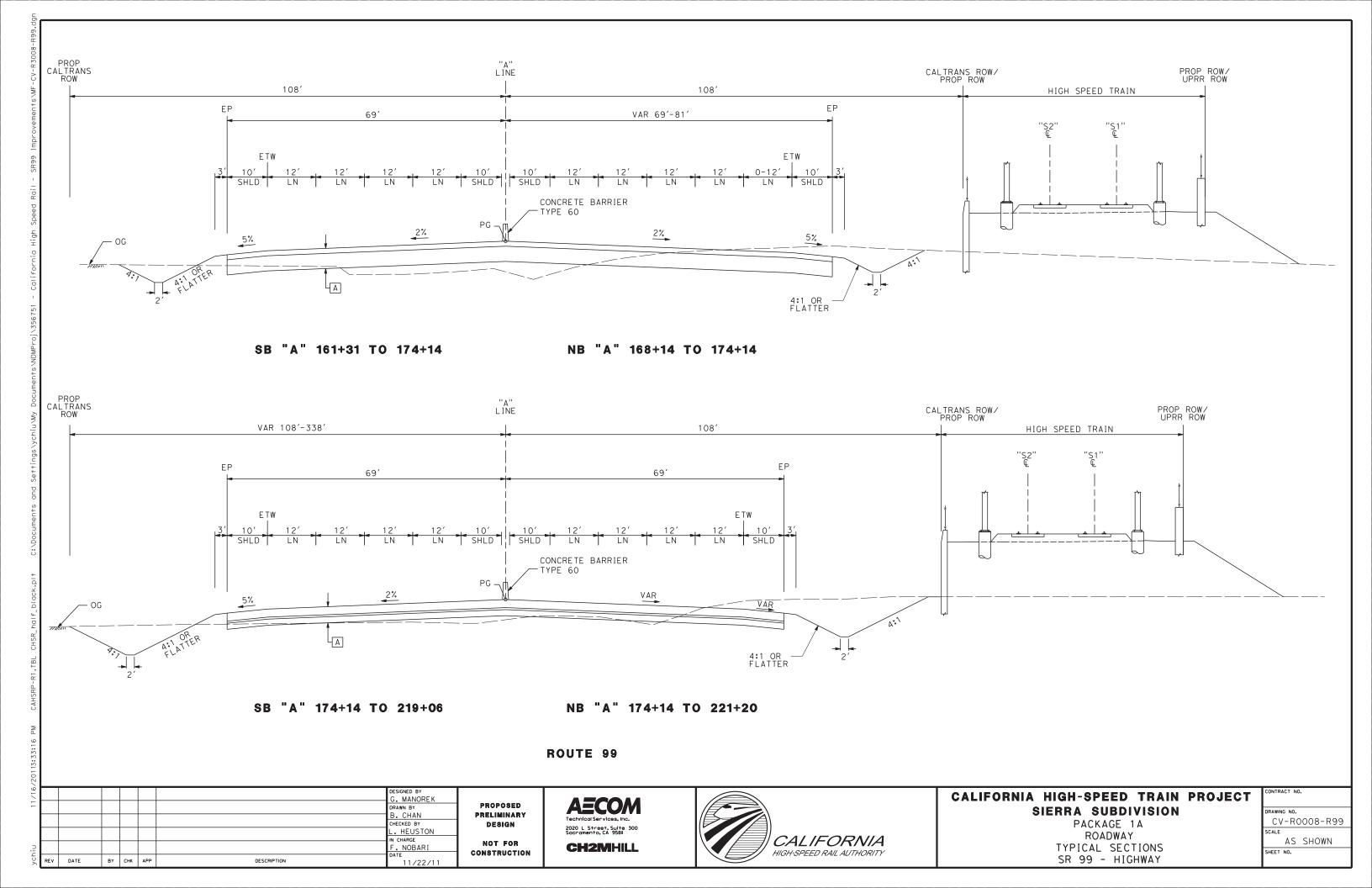


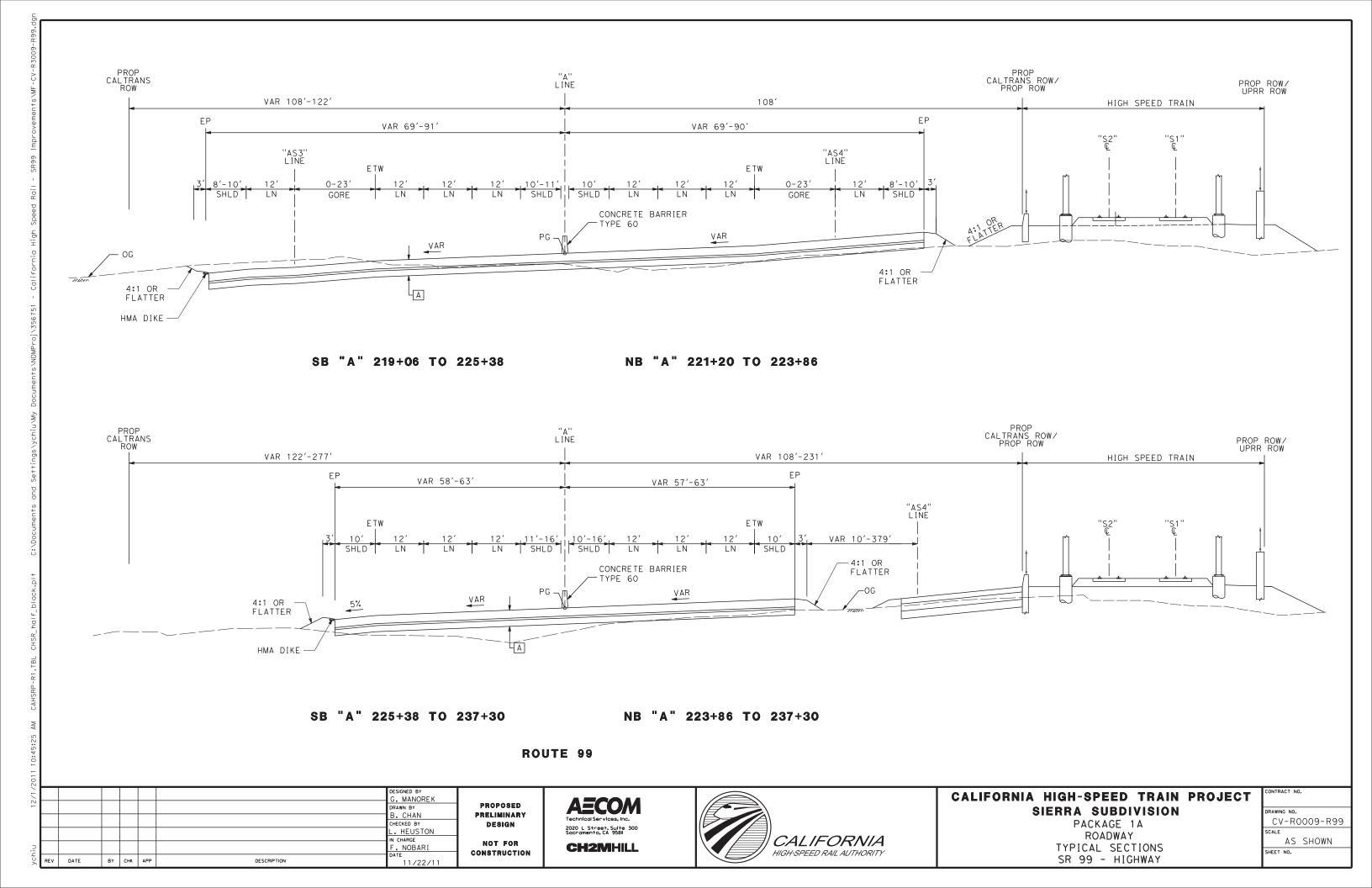
### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

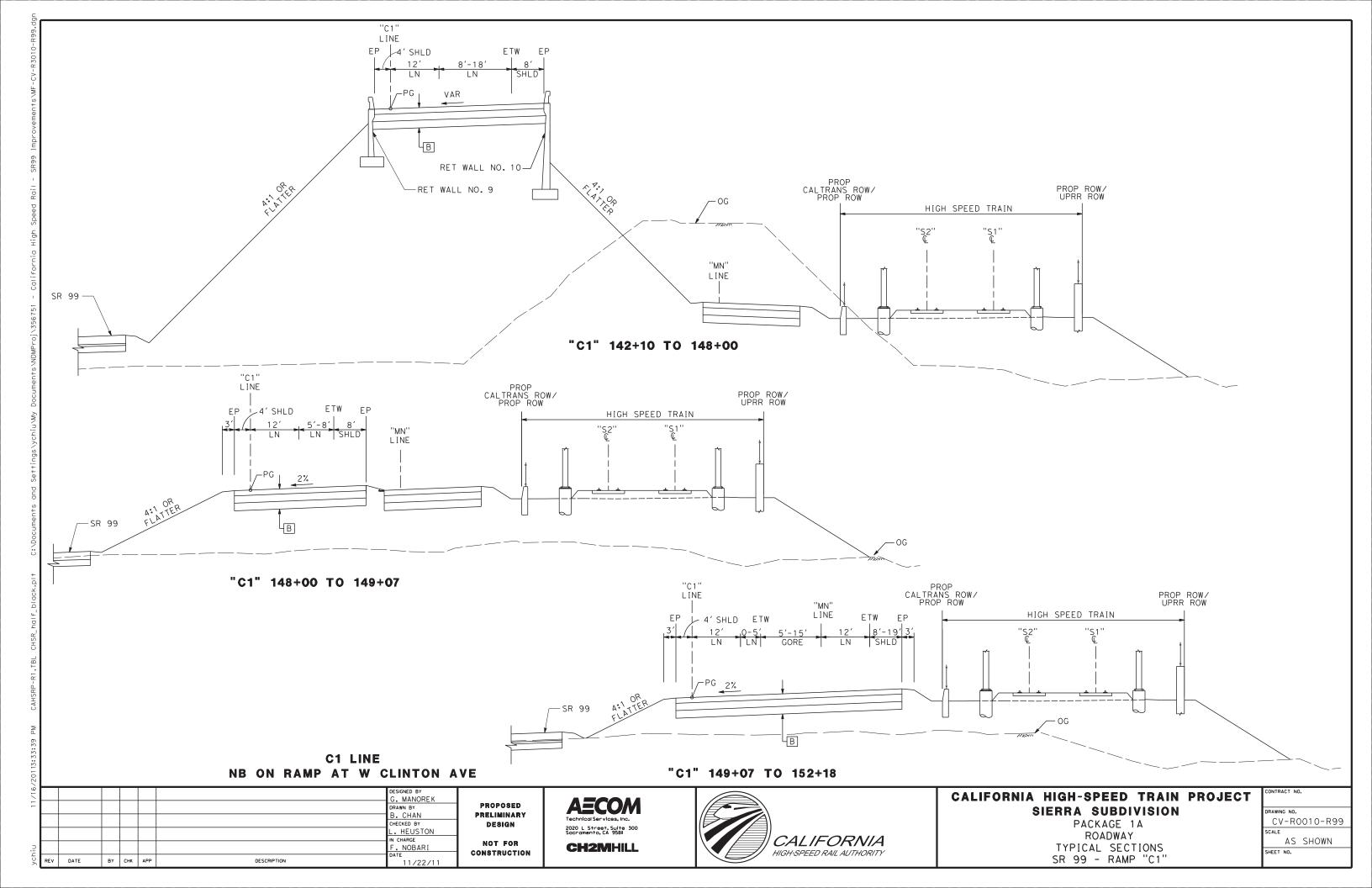
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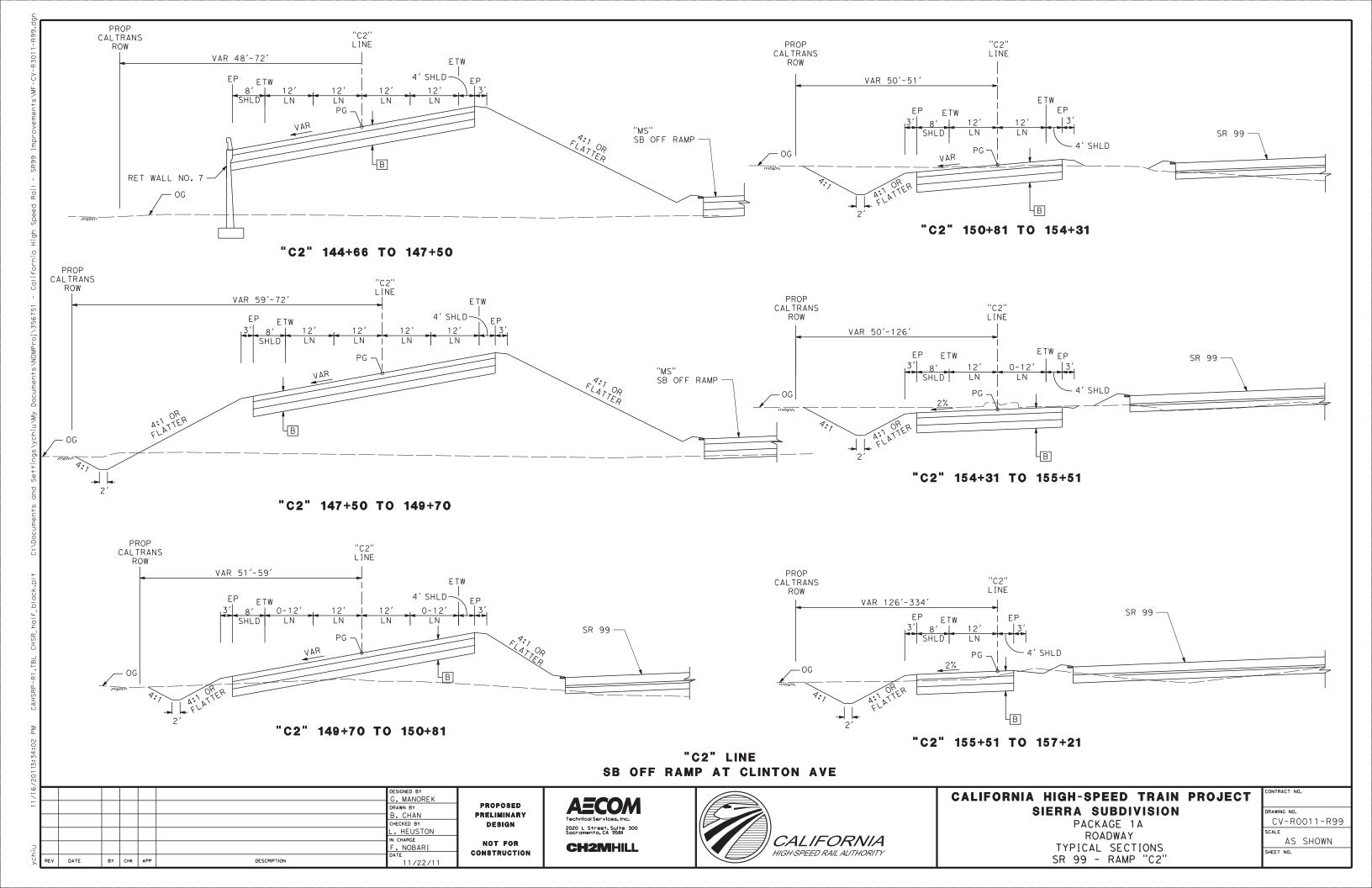
CONTRACT NO.
DRAWING NO.
CV-R0006-R99
SCALE
AS SHOWN
SHEET NO.

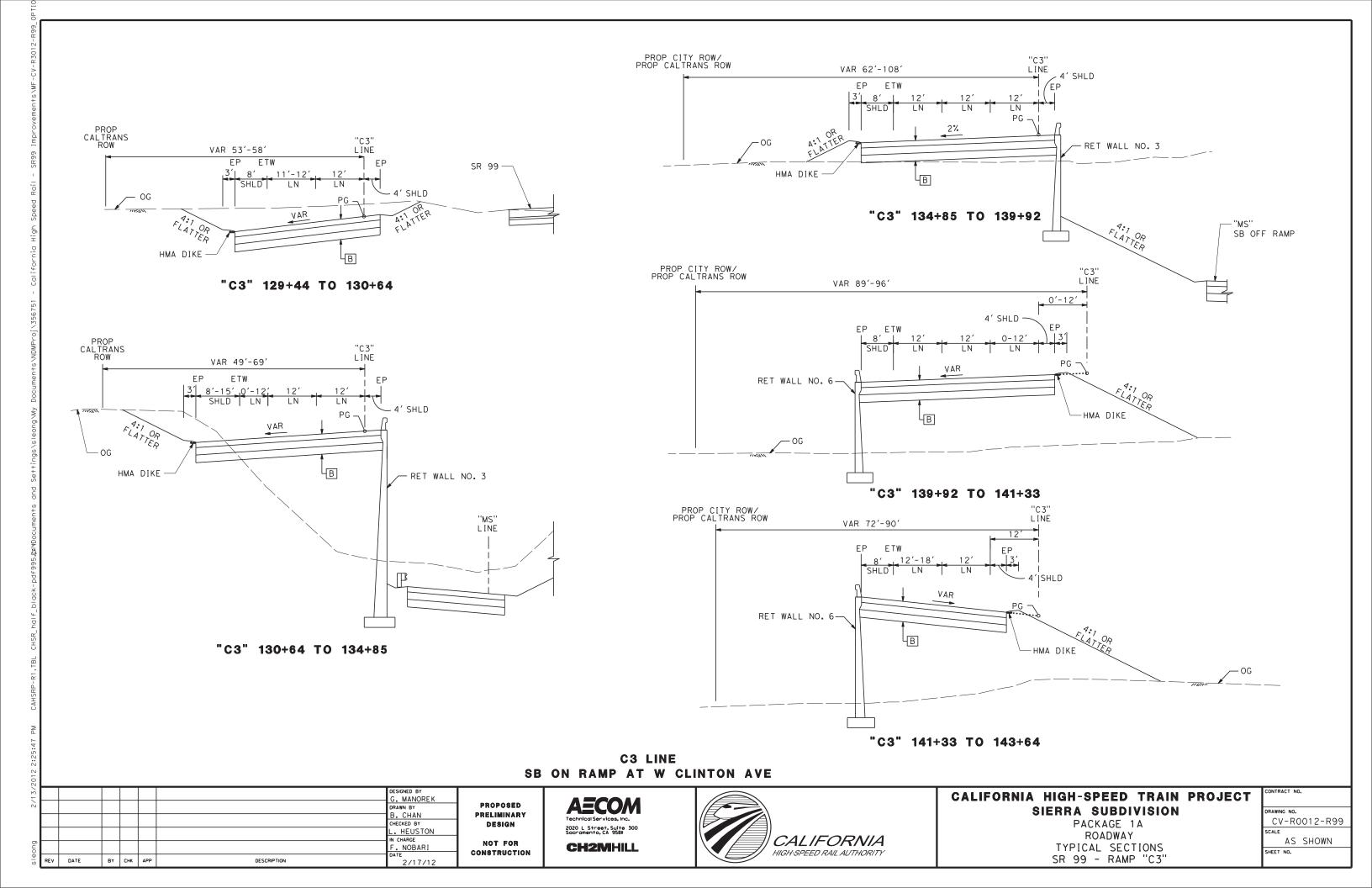


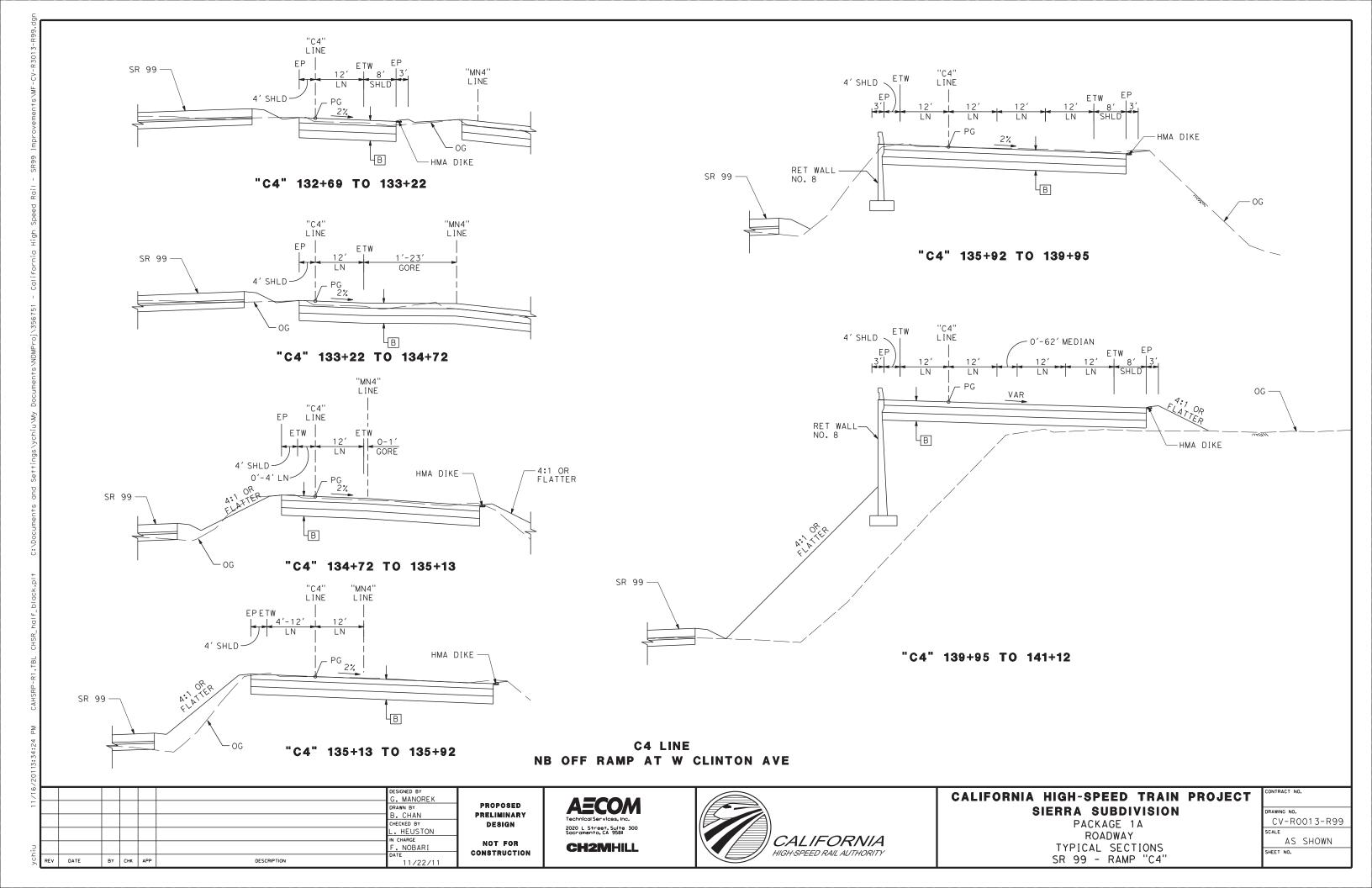


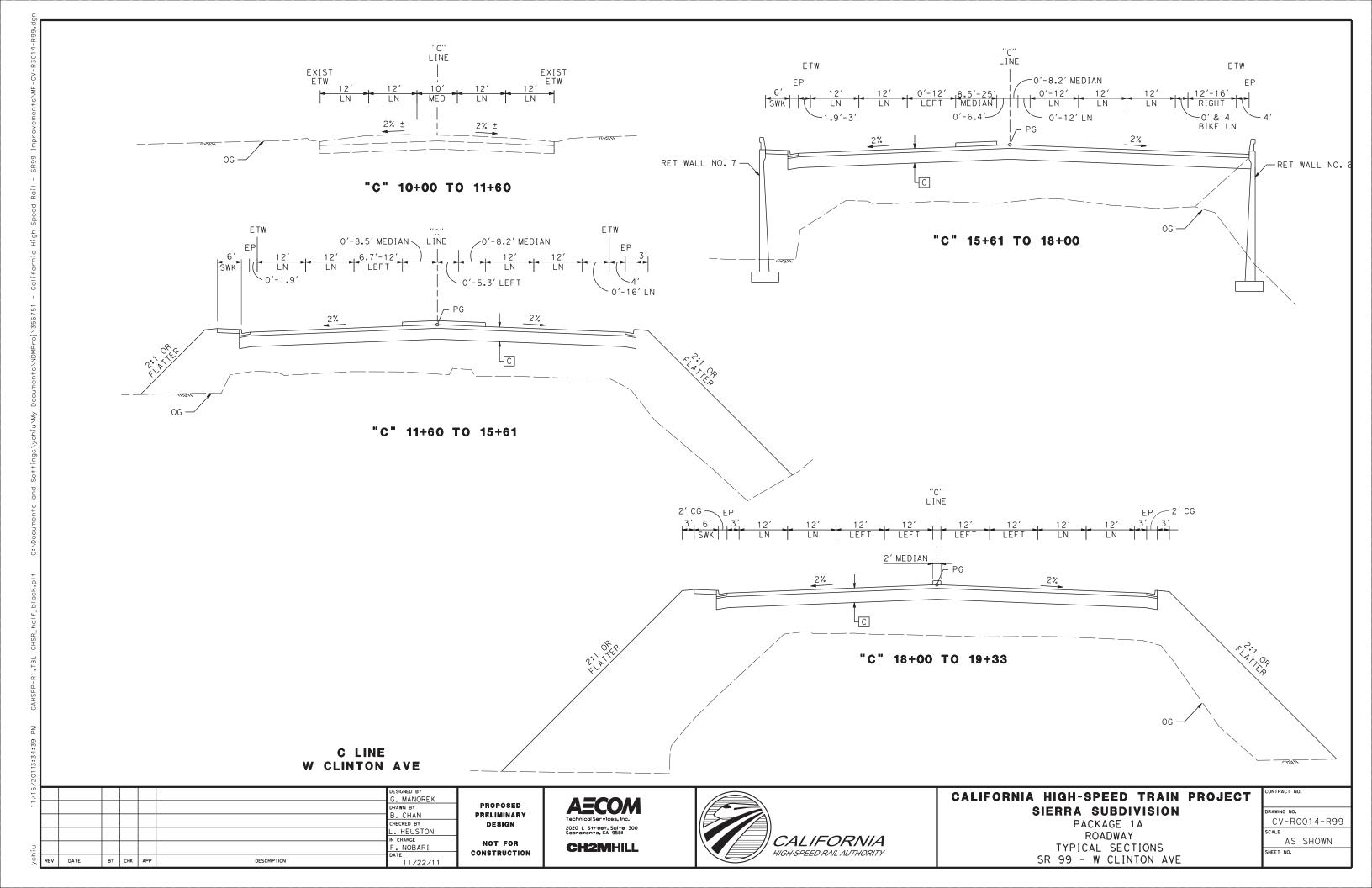


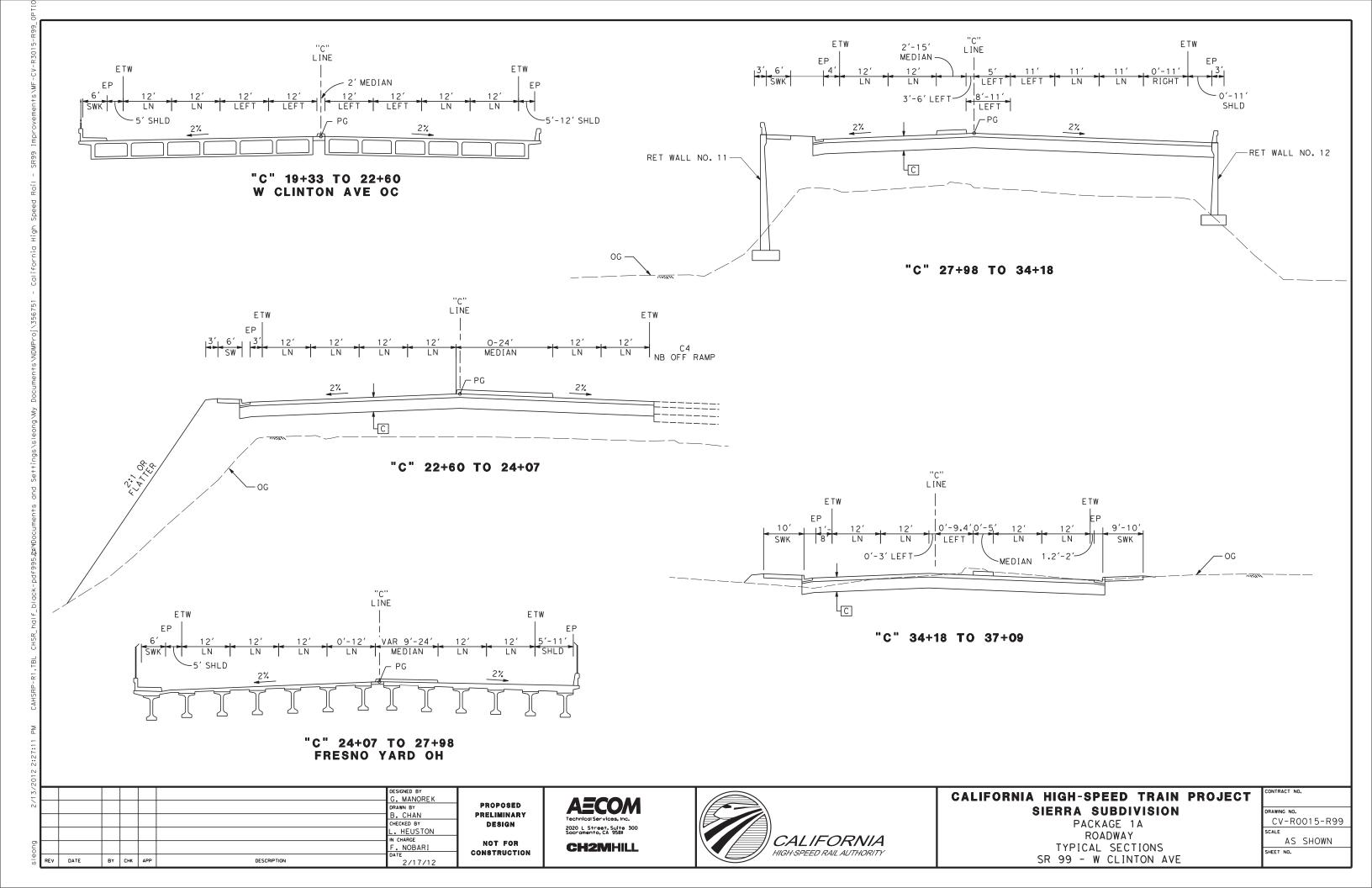


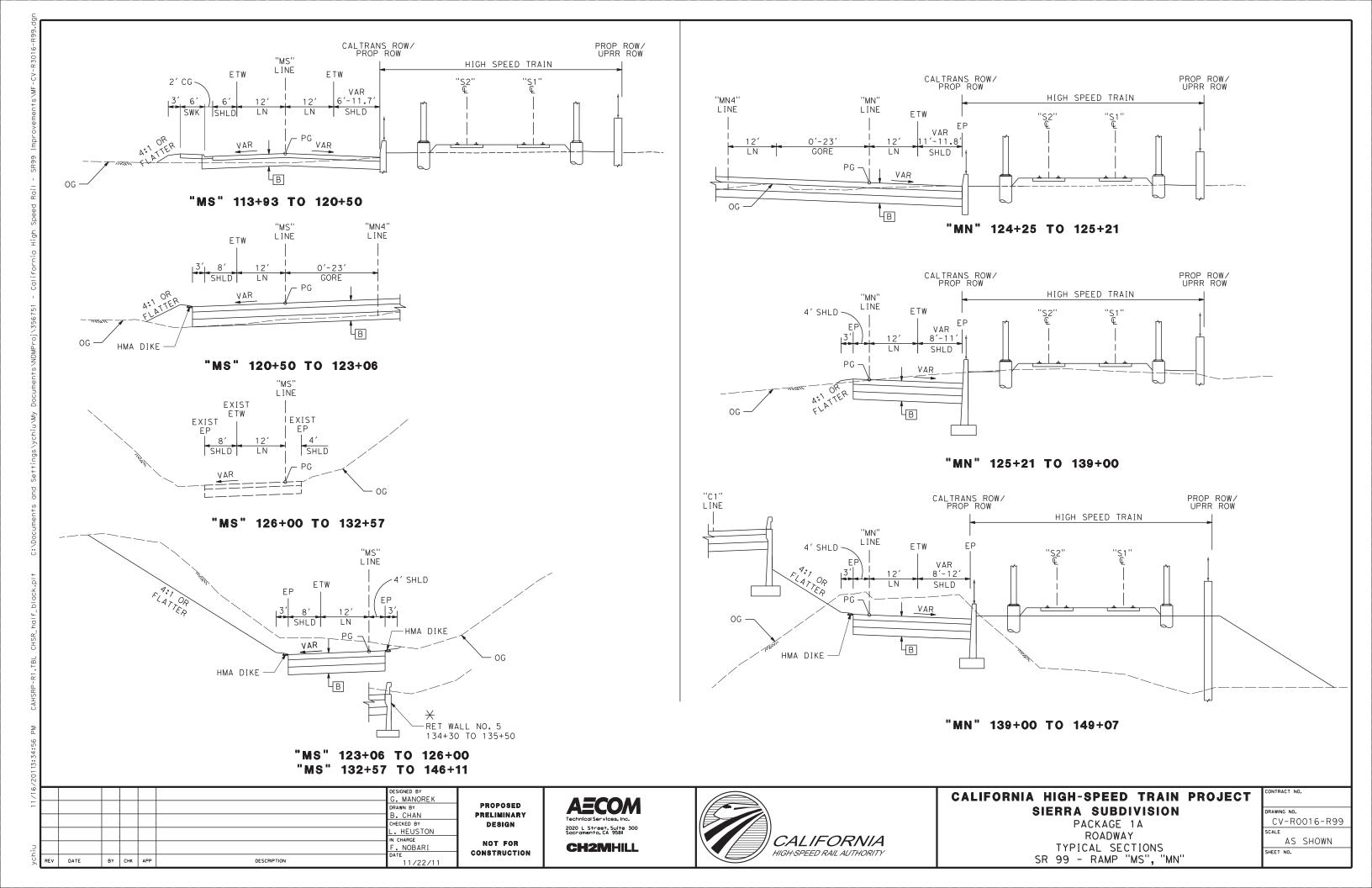


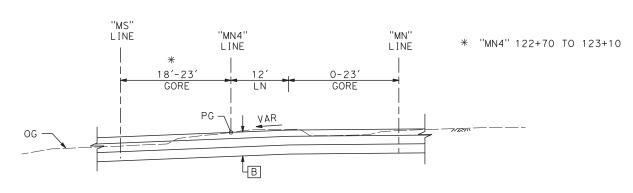




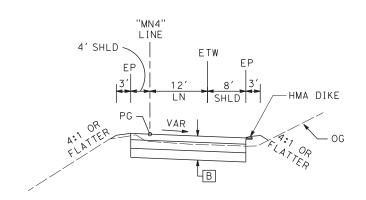






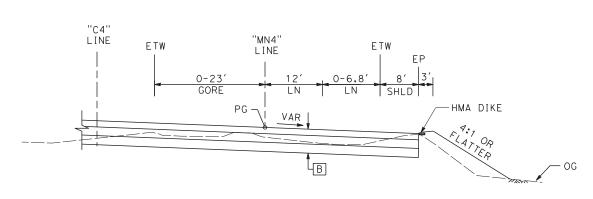


"MN4" 122+70 TO 123+62

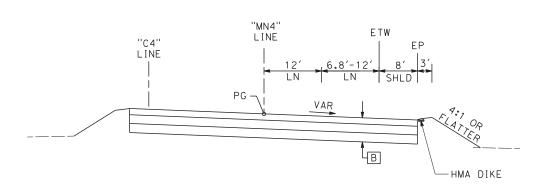


"MN4" 123+62 TO 132+27

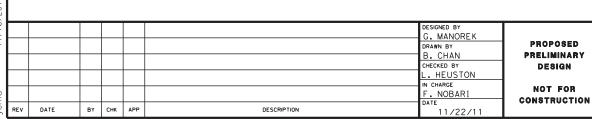
MN4 LINE GOLDEN STATE BLVD NB OFF RAMP



"MN4" 132+27 TO 134+18



"MN4" 134+18 TO 134+97



PROPOSED PRELIMINARY DESIGN NOT FOR

2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 

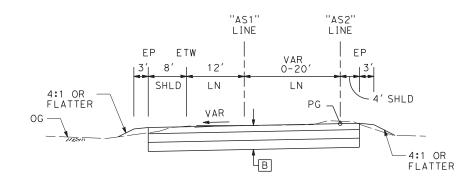


## CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

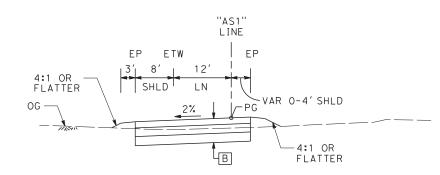
PACKAGE 1A ROADWAY TYPICAL SECTIONS SR 99 - RAMP "MN4"

	CONTRACT NO.
ı	DRAWING NO.
ı	CV-R0017-R99
ı	SCALE
ı	AS SHOWN
ı	SHEET NO.

"AS1" 238+39 TO 239+48

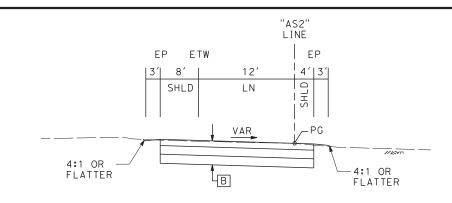


"AS1" 239+48 TO 240+47



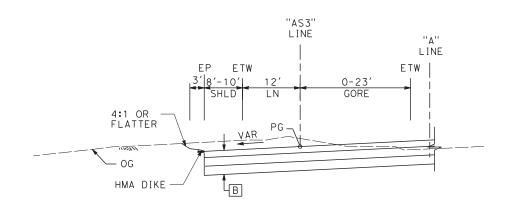
"AS1" 240+47 TO 242+38

### **AS1 LINE** SB ON RAMP AT ASHLAN AVE

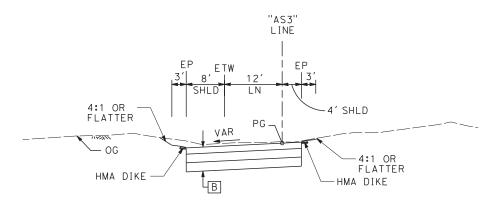


"AS2" 240+40 TO 241+01

## AS2 LINE SB ON RAMP AT ASHLAN AVE



"AS3" 219+06 TO 225+34



"AS3" 225+34 TO 233+28

#### AS3 LINE SB ON RAMP AT ASHLAN AVE

,							B. CHAN CHECKED BY L. HEUSTON IN CHARGE	1
ychiu	REV	DATE	BY	СНК	APP	DESCRIPTION	F. NOBARI  DATE  11/22/11	٥

PROPOSED PRELIMINARY DESIGN NOT FOR CONSTRUCTION

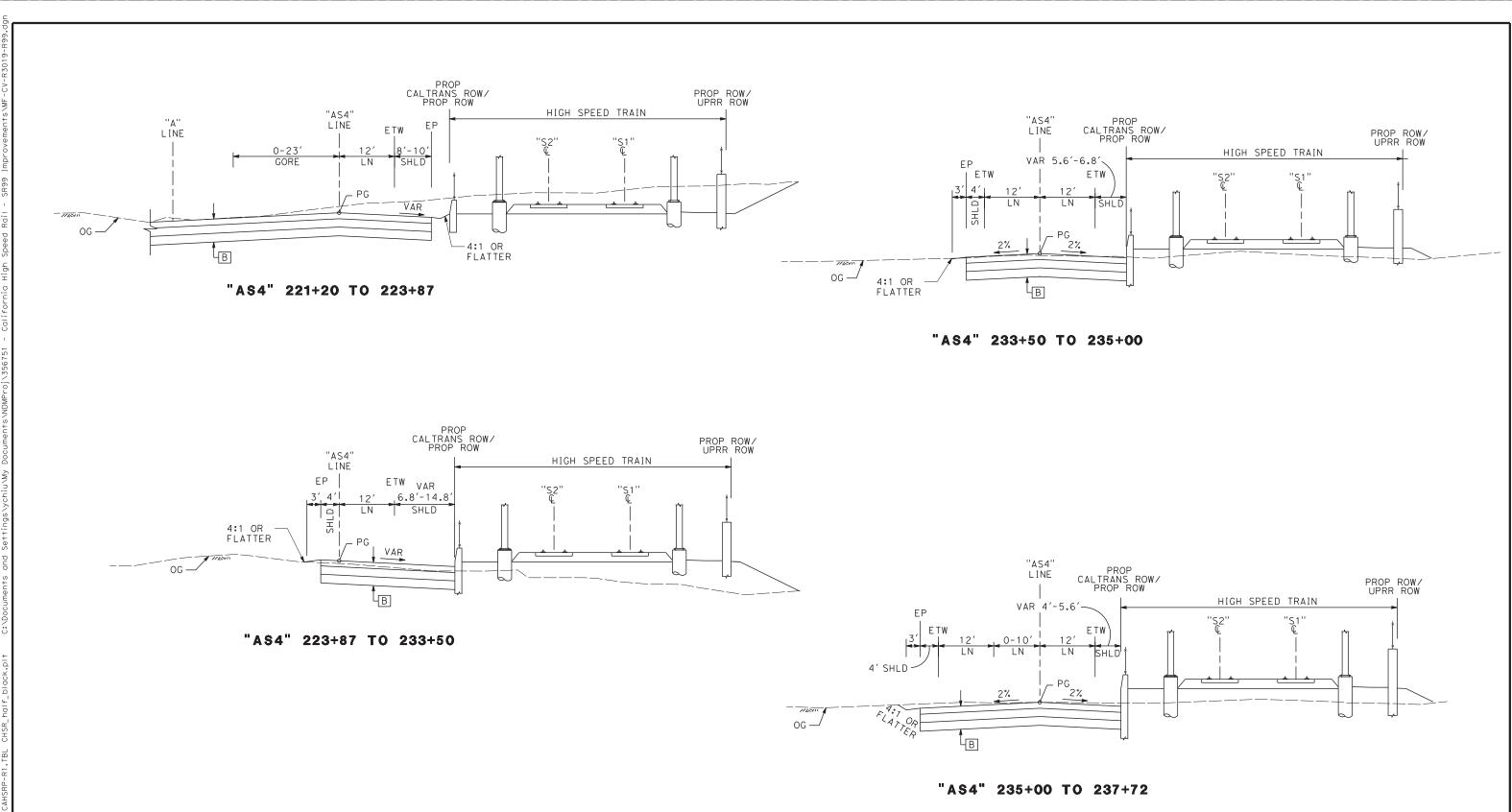
**AECOM** 2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 



### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY TYPICAL SECTIONS SR 99 - RAMP "AS1", "AS2", "AS3"

CONTRACT NO.
DRAWING NO.
CV-R0018-R99
CV-KUU10-K99
SCALE
AS SHOWN
AS SHOWN
SHEET NO.
5



# AS4 LINE NB OFF RAMP AT ASHLAN AVE



PROPOSED PRELIMINARY DESIGN NOT FOR

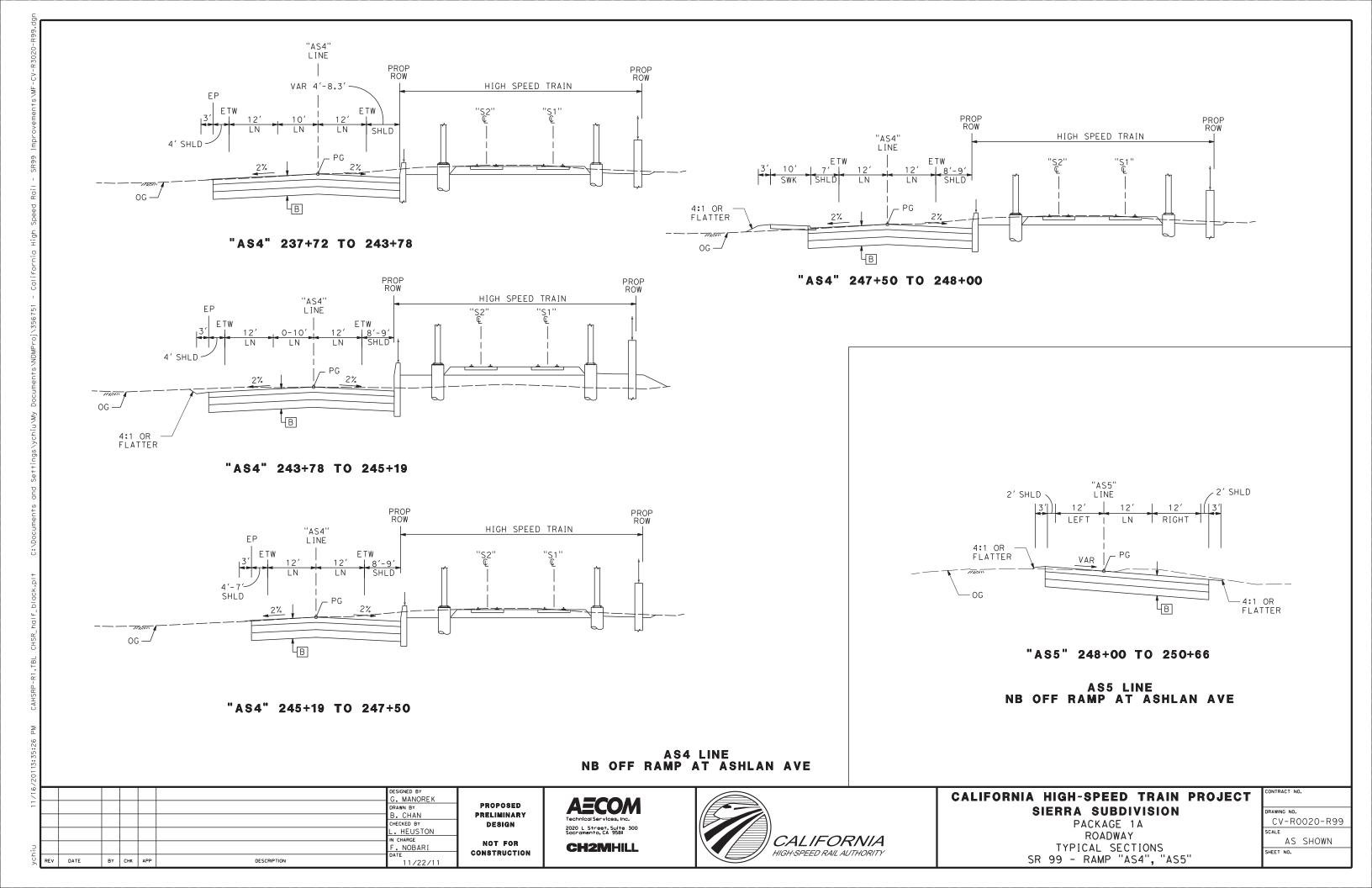
2020 L Street, Suite 300 Sacramento, CA 958II **CH2MHILL** 

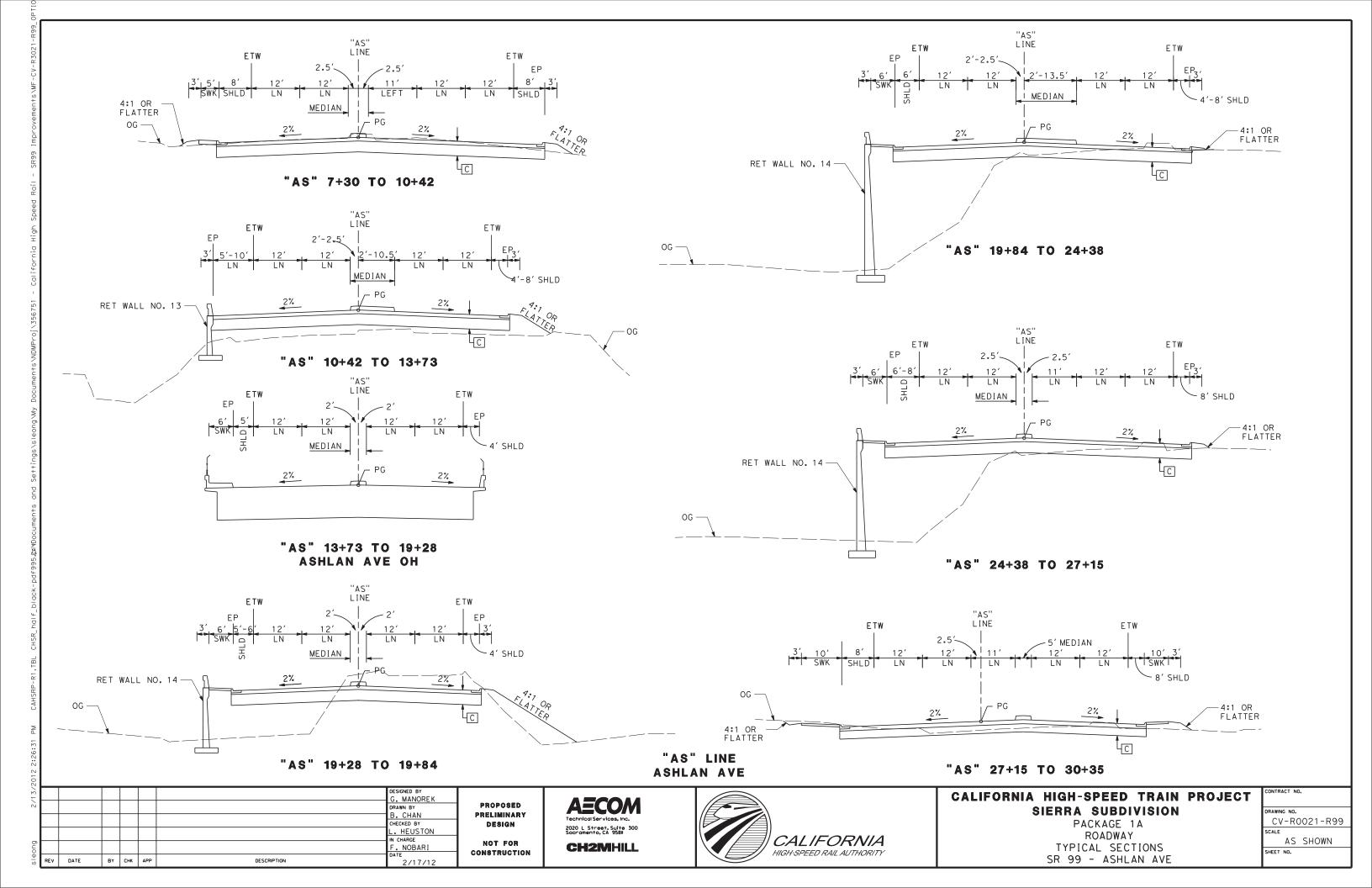


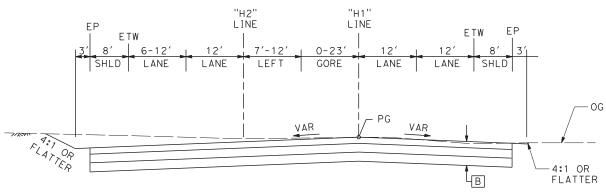
## CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY TYPICAL SECTIONS SR 99 - RAMP "AS4"

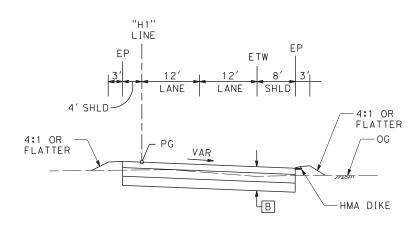
CONTRACT	I NO	),
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SCALE		
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L A	رد	SHOWN
SHEET NO	).	





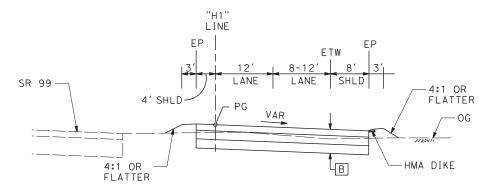


"H1" 100+11 TO 101+89

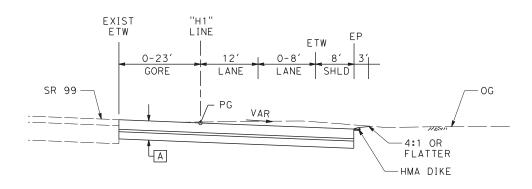


"H1" 101+89 TO 115+27

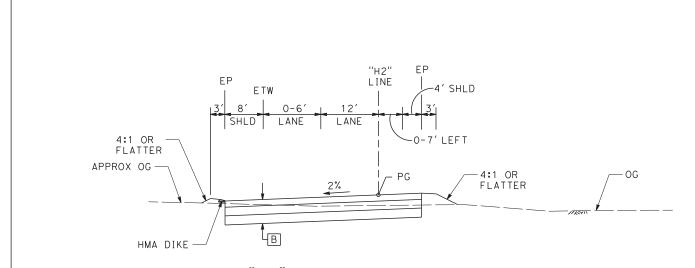
# H1 LINE NB ON RAMP AT HERNDON AVE



"H1" 115+27 TO 117+08



"H1" 117+08 TO 124+27



"H2" 101+95 TO 104+51

# H2 LINE SB OFF RAMP AT HERNDON AVE

1/16							DESIGNED BY G. MANOREK	
-							B. CHAN	PI
							CHECKED BY  L. HEUSTON  IN CHARGE	
ychiu							F. NOBARI	co
Š	REV	DATE	BY	СНК	APP	DESCRIPTION	11/22/11	

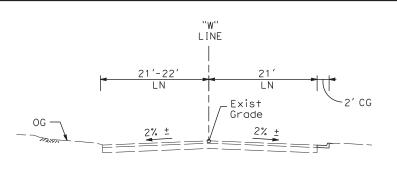
PROPOSED RELIMINARY DESIGN NOT FOR ONSTRUCTION 2020 L Street, Suite 300 Sacramento, CA 958II **CH2MHILL** 



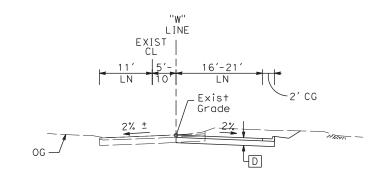
## CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY TYPICAL SECTIONS SR 99 - RAMP "H1", "H2"

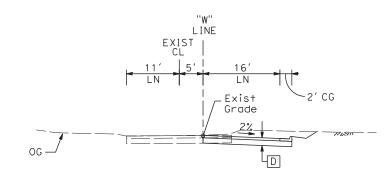
CONTRA	ACT NO		
DRAWIN	G NO.		
CV	-RC	0022-R99	
SCALE			
ı	AS	SHOWN	
SHEET	NO.		



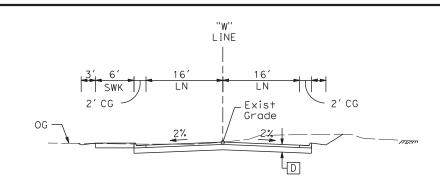
"W" 11+63 TO 12+40



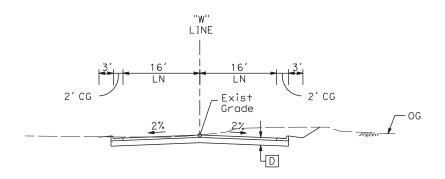
"W" 12+40 TO 14+65



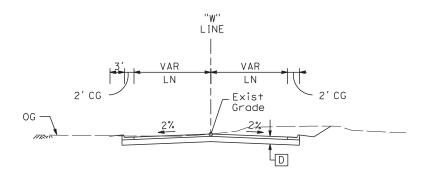
"W" 14+65 TO 16+78



"W" 16+78 TO 17+46



"W" 17+46 TO 19+14



"W" 19+14 TO 19+75

### "W"LINE WOODSON AVE

04								
<sup>2</sup> C							DESIGNED BY G. MANOREK	
╌┞							DRAWN BY B. CHAN	PROPOSED Preliminary
$\vdash$							CHECKED BY	DESIGN
₽							IN CHARGE F. NOBARI	NOT FOR CONSTRUCTION
RI	Ev C	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE 11/22/11	CONSTRUCTION

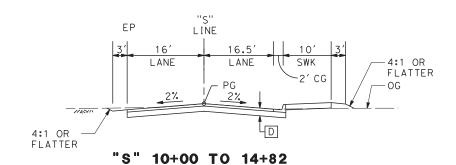
**AECOM** 2020 L Street, Suite 300 Sacramento, CA 958II **CH2MHILL** 



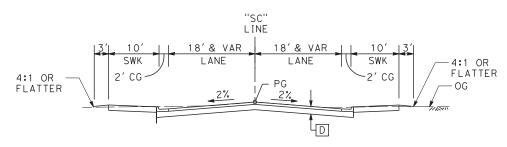
## CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY TYPICAL SECTIONS SR 99 - LOCAL ROAD "W"

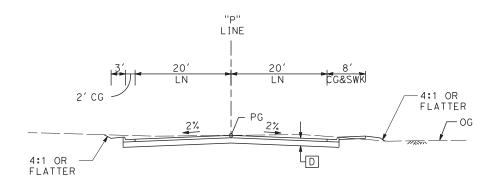
CONTRACT NO.
DRAWING NO.  CV-R0023-R99
SCALE
AS SHOWN
SHEET NO.



### S LINE SHIELDS AVE

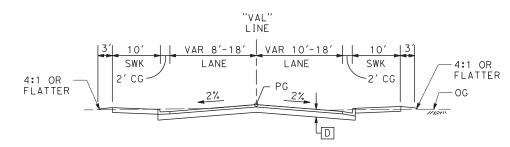


"SC" 10+00 TO 11+66 SC LINE

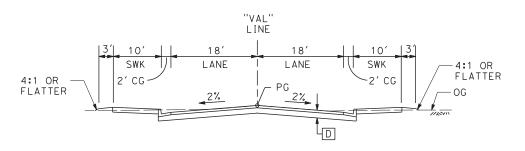


"P" 11+00 TO 20+30

## P LINE Pleasant ave

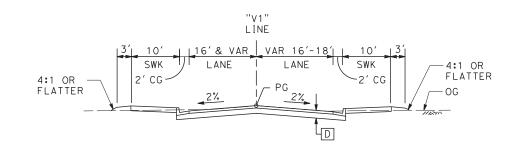


"VAL" 20+36 TO 22+51 "VAL" 31+17 TO 34+16



"VAL" 22+51 TO 31+17

# VAL LINE VALENTINE AVE



"V1" 10+00 TO 14+47

### V1 LINE NORTH PARKWAY DR

						DESIGNED BY G. MANOREK DRAWN BY B. CHAN CHECKED BY	P
REV	DATE	BY	СНК	APP	DESCRIPTION	L. HEUSTON IN CHARGE F. NOBARI DATE 11/22/11	co

PROPOSED PRELIMINARY DESIGN NOT FOR ONSTRUCTION

2020 L Street, Suite 300 Sacramento, CA 95811 **CH2MHILL** 



### CALIFORNIA HIGH-SPEED TRAIN PROJECT SIERRA SUBDIVISION

PACKAGE 1A ROADWAY TYPICAL SECTIONS
SR 99 - LOCAL ROAD "S", "SC", "P", "VAL", "V1"

	CONTRACT NO.
	DRAWING NO.
	CV-R0024-R99
	SCALE
	AS SHOWN
	SHEET NO.

